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## Garner-Hayfield-Ventura High School 4 Year Planner

Name: \_\_\_\_\_

Career: \_\_\_\_\_

### Grade 9

#### SEMESTER 1

1. English 9
2. Integrated Science
3. \_\_\_\_\_ (Math)
4. PE/Study Hall (weights or regular)
5. \_\_\_\_\_ Health - 1 Sem. required
6. \_\_\_\_\_ (Choose a semester)
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_

9th grade parent signature: \_\_\_\_\_

#### SEMESTER 2

1. English 9
2. Integrated Science
3. \_\_\_\_\_ (Math)
4. PE/Study Hall
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_

### Grade 10

#### SEMESTER 1

1. English 10
2. Biology
3. \_\_\_\_\_ (Math)
4. \_\_\_\_\_ (Soc. St.)
5. PE/Study Hall (weights or regular)
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_

10th grade parent signature: \_\_\_\_\_

#### SEMESTER 2

1. English 10
2. Biology
3. \_\_\_\_\_ (Math)
4. \_\_\_\_\_ (Soc. St.)
5. PE/Study Hall
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_

### Grade 11

#### SEMESTER 1

1. English 11
2. American History
3. Chemistry (Intro or Advanced)
4. \_\_\_\_\_ (Math)
5. PE/Study Hall (weights or regular)
6. \_\_\_\_\_
7. \_\_\_\_\_ Financial Lit - 1 Sem. required
8. \_\_\_\_\_ (Choose a semester)
9. \_\_\_\_\_

11th grade parent signature: \_\_\_\_\_

#### SEMESTER 2

1. English 11
2. American History
3. Chemistry
4. \_\_\_\_\_ (Math)
5. PE/Study Hall
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_

### Grade 12

#### SEMESTER 1

1. English 12/Composition/Communications
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. PE/Study Hall (weights or regular)
7. \_\_\_\_\_ (opt. Science)
8. \_\_\_\_\_ (opt. Math)
9. Economics

12th grade parent signature: \_\_\_\_\_

#### SEMESTER 2

1. Eng/Comp./Comm.
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. PE/Study Hall (weights or regular)
7. \_\_\_\_\_ (opt. Science)
8. \_\_\_\_\_ (opt. Math)
9. American Government

**Garner-Hayfield-Ventura High School**  
**Minimum Model Core Curriculum**  
**and Graduation Requirements**

*Minimum graduation requirements will be as follows:*

English:	8 credits (4 years) ( <i>Required</i> )
	English 9
	English 10
	English 11
	English 12 or Composition I/II or Communications I/II
Mathematics:	6 credits (3 years) ( <i>Required</i> )
	Algebra I
	Algebra I-A      Geometry
	Algebra I-B      Consumer Math
	Algebra II      Pre-Calculus
	Calculus      Statistics
Science:	6 credits (3 years) ( <i>Required</i> )
	Integrated Science ( <i>Required</i> )
	Biology ( <i>Required</i> )
	Intro to Chemistry ( <i>Required</i> )
	Adv. Chemistry      Anatomy
	Physics      Intro to College Biology
Social Studies:	6 credits (3 years) ( <i>Required</i> )
	Contemporary World Issues
	World Geography
	World Studies I      World Studies II
	Psychology      Sociology
	American History ( <i>1 yr.-Required</i> )
	Economics ( <i>1 Sem.-Required</i> )
	American Government ( <i>1 Sem.-Required</i> )
Physical Education:	4 credits (4 years) ( <i>Required</i> )
Health:	1 credit (1 semester) ( <i>Required</i> )
Financial Literacy:	1 credit (1 semester) ( <i>Required</i> )
Electives:	14 credits

**Total Required Credits = 32**

**Total Elective Credits = 14**

**Total Credits Required for Graduation = 46**

# 9th Grade Course Registration Sheet

## Mathematics

47	<input type="checkbox"/>	Algebra I-A	(Year Course)
51	<input type="checkbox"/>	Algebra I-B	(Year Course)
52	<input type="checkbox"/>	Algebra I	(Year Course)

## Science

69	<input type="checkbox"/>	*Integrated Science	(Year Course) *Required
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## English

11	<input type="checkbox"/>	English 9	(Year Course)
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## Health

65	<input type="checkbox"/>	*Health	(Either Semester) *Required
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## Foreign Language

34	<input type="checkbox"/>	Spanish 1	(Year Course) <i>Prerequisite Course for Spanish 2</i>
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## Business

101	<input type="checkbox"/>	Introduction to Business	(Either Semester)
119	<input type="checkbox"/>	Computer Applications	(1st Semester)
121	<input type="checkbox"/>	Computer Science Principals	(2nd Semester)

## Family and Consumer Science

130	<input type="checkbox"/>	Foods (Fall)	(1 <sup>st</sup> Semester) <i>Prerequisite Course for Adv. Foods</i>
131	<input type="checkbox"/>	Intro to Textiles & Int. Design (Spring)	(2 <sup>nd</sup> Semester) <i>Prerequisite Course for Textiles &amp; Design</i>

## Agricultural Education

144	<input type="checkbox"/>	Agricultural Education 1	(Year Course)
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## Industrial Education

148	<input type="checkbox"/>	Intro to Drafting & Design	(Either Semester) <i>Prerequisite Course for Adv. Metals, Woods &amp; CAD</i>
154	<input type="checkbox"/>	Beginning Woods	(Either Semester)
160	<input type="checkbox"/>	Beginning Metals	(Either Semester)

## Art

175	<input type="checkbox"/>	Foundations of Art 1	(1 <sup>st</sup> Semester) <i>Prerequisite Course for all Art classes, except Fdn of Art 2</i>
183	<input type="checkbox"/>	Foundations of Art 2	(2 <sup>nd</sup> Semester) <i>Prerequisite Course for Drawing</i>

## Other

187	<input type="checkbox"/>	TAG	(Either Semester-Instructor Approval Needed)
186	<input type="checkbox"/>	Mock Trial	(2nd Semester)
218	<input type="checkbox"/>	Band	(Year Course)
223	<input type="checkbox"/>	Flag/Rifle	(1 <sup>st</sup> Semester)
221	<input type="checkbox"/>	Vocal	(Year Course)
206	<input type="checkbox"/>	*Physical Education	(Year Course) *Required

# 9th Grade Course Registration Sheet

## **Graduation Requirements**

Below are minimum requirements for graduation from GHV HS. As indicated in this curriculum guide students are encouraged to exceed minimum requirements. The number shown indicates how many semesters (credits) are required.

### **English - 8**

This includes English 9, English 10, English 11, and English 12 or Composition I & II or Communications I & II

### **Mathematics - 6**

Includes six options (plus combinations of courses from options below):

1. One year of Algebra I-A & Algebra I-B plus Consumer Math.
2. One year of Algebra I-A & Algebra I-B plus Geometry.
3. One year each of Algebra I & Geometry plus Algebra II.
4. One year of Geometry & Algebra II plus Pre-Calculus.
5. One year of Geometry & Algebra II plus Pre-Calculus plus Calculus/Statistics.

### **Social Studies - 6**

Includes a year of American History during the Junior year, one semester of Economics and one semester of American Government during the Senior year, plus two semesters of social studies electives.

### **Science - 6**

Includes a progressive sequence that includes Integrated Science, Biology, Intro to Chemistry, Anatomy & Physiology, Advanced Chemistry, Physics, or College Biology.

### **Health - 1**

Includes one semester during the freshman year.

### **Financial Literacy - 1**

Includes one semester during either junior or senior year.

### **Total Credits - 46 credits**

Also required are 8 semesters of satisfactory work in Physical Education.

# 10th Grade Course Registration Sheet

## Social Studies

83		Contemporary World Issues	(1 <sup>st</sup> Semester)	
84		World Geography	(2 <sup>nd</sup> Semester)	
85		World Studies I	(1 <sup>st</sup> Semester)	*Can take World Studies I without World Studies II
93		World Studies II	(2 <sup>nd</sup> Semester)	*Can take World Studies II without World Studies I

## Mathematics

50		Algebra 1-B	(Year Course)
51		Algebra I	(Year Course)
52		Geometry	(Year Course)
53		Algebra II	(Year Course)

## Science

68		*Biology	(Year Course)	*Required
72		*Intro to Chemistry	(Year Course)	*Instructor Approval required

## English

12		English 10	(Year Course)
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## Foreign Language

34		Spanish 1	(Year Course)	Prerequisite Course for Spanish 2
35		Spanish 2	(Year Course)	Prerequisite Course for Spanish 3

## Business

101		Introduction to Business	(Either Semester)
119		Computer Applications	(1 <sup>st</sup> Semester)
121		Computer Science Principles	(2 <sup>nd</sup> Semester)
102		Accounting	(Year Course)
105		Retail Marketing	(1 <sup>st</sup> Semester)
106		Business Law	(2 <sup>nd</sup> Semester)

## Family and Consumer Science

130		Foods (Fall)	(1 <sup>st</sup> Semester)	Prerequisite Course for Adv. Foods
131		Intro to Textiles & Int. Design (Spring)	(2 <sup>nd</sup> Semester)	Prerequisite Course for Textiles & Design
132		Advanced Foods	(1 <sup>st</sup> Semester)	
133		Textiles and Design 1	(Either Semester)	
139		Textiles and Design 2	(Either Semester)	
135		Child Development	(2 <sup>nd</sup> Semester)	Prerequisite for Cadet Teaching

## Agricultural Education

145		Agricultural Education 2	(Year Course)
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## Industrial Education

148		Intro. To Drafting & Design	(Either Semester)	Prerequisite Course for Adv. Metals, Woods & CAD
151		Ind. Design, Layout & Assembly 1 (CAD)	(Either Semester)	
152		Ind. Design, Layout & Assembly 2 (CAD)	(Either Semester)	
154		Beginning Woods	(Either Semester)	
155		Advanced Woods	(Either Semester)	
160		Beginning Metals	(Either Semester)	
161		Advanced Metals	(Either Semester)	

## 10th Grade Course Registration Sheet (con't)

### Art

175	<input type="checkbox"/>	Foundations of Art 1	(1 <sup>st</sup> Semester) <i>Prerequisite Course for all Art classes, except Fnd. of Art 2</i>
183	<input type="checkbox"/>	Foundations of Art 2	(2 <sup>nd</sup> Semester) <i>Prerequisite Course for Drawing</i>
176	<input type="checkbox"/>	Creative Drawing	(1 <sup>st</sup> Semester) <i>Prerequisite for Painting</i>
178	<input type="checkbox"/>	Sculpture	(1 <sup>st</sup> Semester)
179	<input type="checkbox"/>	Painting	(2 <sup>nd</sup> Semester)
181	<input type="checkbox"/>	Ceramics	(2 <sup>nd</sup> Semester)

### Other

187	<input type="checkbox"/>	TAG	(Either Semester) <i>*Instructor Approval Required</i>
186	<input type="checkbox"/>	Mock Trial	(2nd Semester)
218	<input type="checkbox"/>	Band	(Year Course)
223	<input type="checkbox"/>	Flag/Rifle	(1 <sup>st</sup> Semester)
221	<input type="checkbox"/>	Vocal	(Year Course)
206	<input type="checkbox"/>	*Physical Education	(Year Course) <i>*Required</i>

# 11th Grade Course Registration Sheet

## Social Studies

83		Contemporary World Issues	(1 <sup>st</sup> Semester)	
84		World Geography	(2 <sup>nd</sup> Semester)	
85		World Studies I	(1 <sup>st</sup> Semester)	*Can take World Studies I without World Studies II
93		World Studies II	(2 <sup>nd</sup> Semester)	*Can take World Studies II without World Studies I
86		*American History	(Year Course)	* <i>Required</i>
88		Psychology	(Either Semester)	* Cannot take Psych./Soc. during the same semester ( <i>Pre-requisite Course for Cadet Teaching</i> )
89		Sociology	(Either Semester)	* Cannot take Psych./Soc. during the same semester

## Mathematics

52		Algebra I	(Year Course)
50		Geometry	(Year Course)
53		Algebra II	(Year Course)
54		<i>Statistics</i>	(Year Course)
55		<i>Pre-Calculus</i>	(Year Course)
99		Consumer Math	(Year Course)

## Science

72		Intro to Chemistry	(Year Course)	
70		Anatomy	(Year Course)	<i>Prerequisite for Intro to College Bio</i>
73		<i>Advanced Chemistry</i>	(Year Course)	
74		<i>Physics</i>	(Year Course)	

## English

10		English 11	(Year Course)
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## Financial Literacy

122		*Financial Literacy	(Either Semester)	*Required
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## Foreign Language

34		Spanish 1	(Year Course)	<i>Prerequisite Course for Spanish 2</i>
35		Spanish 2	(Year Course)	<i>Prerequisite Course for Spanish 3</i>
36		<i>Spanish 3</i>	(Year Course)	<i>Prerequisite Course for Spanish 4</i>

## Business

102		Accounting	(Year Course)
103		Advanced Accounting	(Year Course)
105		Retail Marketing	(1 <sup>st</sup> Semester)
106		Business Law	(2 <sup>nd</sup> Semester)
101		Introduction to Business	(Either Semester)
119		Computer Applications	(1 <sup>st</sup> Semester)
121		Computer Science Principles	(2 <sup>nd</sup> Semester)

*(Bold/italicized count toward 5 advanced courses to qualify for PE Waiver)*



# 11th Grade Course Registration Sheet (con't)

## Family and Consumer Science

66		Advanced Health	(2 <sup>nd</sup> Semester)	
130		Foods (Fall)	(1 <sup>st</sup> Semester)	<i>Prerequisite Course for Adv. Foods</i>
131		Intro to Textiles & Int. Design (Spring)	(2 <sup>nd</sup> Semester)	<i>Prerequisite Course for Textiles &amp; Design</i>
132		Advanced Foods	(1 <sup>st</sup> Semester)	<i>Prerequisite Course for Culinary Arts</i>
133		Textiles and Design 1	(Either Semester)	
139		Textiles and Design 2	(Either Semester)	
141		Textiles and Design 3	(Either Semester)	
134		Personal & Family Relations	(1 <sup>st</sup> Semester)	
135		Child Development	(2 <sup>nd</sup> Semester)	<i>Prerequisite Course for Cadet Teaching</i>

## Agricultural Education

146		Agricultural Education 3	(Year Course)	
149		Horticulture	(2 <sup>nd</sup> Semester)	

## Industrial Education

148		Intro to Drafting & Design	(Either Semester)	<i>Prerequisite Course for Adv. Metals, Woods &amp; CAD</i>
151		Ind. Design, Layout & Assembly 1 (CAD)	(Either Semester)	
152		Ind. Design, Layout & Assembly 2 (CAD)	(Either Semester)	
153		Ind. Design, Layout & Assembly 3 (CAD)	(2 <sup>nd</sup> Semester)	
154		Beginning Woods	(Either Semester)	
155		Advanced Woods	(Either Semester)	
160		Beginning Metals	(Either Semester)	
161		Advanced Metals	(Either Semester)	
163		Power Mechanics	(2 <sup>nd</sup> Semester)	
170		Equipment Refinishing	(1 <sup>st</sup> Semester)	
164		Beginning Manufacturing	(Either Semester)	<i>Prerequisite Course is Advanced Metals</i>
165		Beginning Carpentry	(Either Semester)	<i>Prerequisite Course is Advanced Woods</i>

## Art

175		Foundations of Art 1	(1 <sup>st</sup> Semester)	<i>Prerequisite Course for all Art classes, except Fund. of Art 2</i>
183		Foundations of Art 2	(2 <sup>nd</sup> Semester)	<i>Prerequisite Course for Drawing</i>
176		Creative Drawing	(1 <sup>st</sup> Semester)	<i>Prerequisite Course for Painting</i>
177		Graphic Design	(1 <sup>st</sup> Semester)	
178		Sculpture	(1 <sup>st</sup> Semester)	
179		Painting	(2 <sup>nd</sup> Semester)	
181		Ceramics	(2 <sup>nd</sup> Semester)	
180		Photography	(2 <sup>nd</sup> Semester)	
182		Art Portfolio	(2 <sup>nd</sup> Semester)	

## Other

187		TAG	(Either Semester)	<i>*Instructor Approval Required</i>
186		Mock Trial	(2 <sup>nd</sup> Semester)	
218		Band	(Year Course)	
223		Flag/Rifle	(1 <sup>st</sup> Semester)	
221		Vocal	(Year Course)	
207		*Physical Education	(Year Course)	<i>*Required</i>
		Advanced Academics	(1 <sup>st</sup> and/or 2 <sup>nd</sup> Semester)	See Course Description for Class Requirements

***(Bold/italicized count toward 5 advanced courses to qualify for PE Waiver)***

# 12th Grade Course Registration Sheet

## Social Studies

83		Contemporary World Issues	(1st Semester)	
84		World Geography	(2 <sup>nd</sup> Semester)	
85		World Studies I	(1 <sup>st</sup> Semester)	*Can take World Studies I without World Studies II
93		World Studies II	(2 <sup>nd</sup> Semester)	*Can take World Studies II without World Studies I
87		*American Government	(2 <sup>nd</sup> Semester)	*Required
90		*Economics	(1st Semester)	*Required
88		Psychology	(Either Semester)	* Cannot take Psych./Soc. during the same semester (Pre-requisite Course for Cadet Teaching & Health Academy)
89		Sociology	(Either Semester)	* Cannot take Psych./Soc. during the same semester

## Mathematics

52		Algebra I	(Year Course)
50		Geometry	(Year Course)
53		Algebra II	(Year Course)
54		Statistics	(Year Course)
55		Pre-Calculus	(Year Course)
57		Calculus	(Year Course)
99		Consumer Math	(Year Course)

## Science

72		Intro to Chemistry	(Year Course)	
70		Anatomy	(Year Course)	
73		Advanced Chemistry	(Year Course)	
74		Physics	(Year Course)	
78		College Biology	(Year Course)	Prerequisite course is Anatomy

## English

9		English 12	(Year Course)	
299		* Composition I	(1 <sup>st</sup> Semester)	10 or greater on NIACC Writing Assessment
300		* Composition II	(2 <sup>nd</sup> Semester)	or ACT English score of 16 or greater
8		Communications I	(1 <sup>st</sup> Semester)	Enrolled in NIACC CTE Program
292		Communications II	(2 <sup>nd</sup> Semester)	Enrolled in NIACC CTE Program

## Financial Literacy

122		*Financial Literacy	(Either Semester)	*Required
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## Foreign Language

34		Spanish 1	(Year Course)	Prerequisite Course for Spanish 2
35		Spanish 2	(Year Course)	Prerequisite Course for Spanish 3
36		Spanish 3	(Year Course)	Prerequisite Course for Spanish 4
37		Spanish 4	(Year Course)	
39		Advanced Spanish 4	(Year Course)	

## Business

102		Accounting	(Year Course)	
103		Advanced Accounting	(Year Course)	*Instructor Approval Required
105		Retail Marketing	(1 <sup>st</sup> Semester)	
106		Business Law	(2 <sup>nd</sup> Semester)	
101		Introduction to Business	(Either Semester)	
119		Computer Applications	(1st Semester)	
121		Computer Science Principles	(2 <sup>nd</sup> Semester)	

(Bold/italicized count toward 5 advanced courses to qualify for PE Waiver)

### 12th Grade Course Registration Sheet (con't)

#### Family and Consumer Science

130		Foods (Fall)	(1 <sup>st</sup> Semester)	<i>Prerequisite Course for Adv. Foods</i>
131		Intro to Textiles & Int. Design (Spring)	(2 <sup>nd</sup> Semester)	<i>Prerequisite Course for Textiles &amp; Design</i>
132		Advanced Foods	(1 <sup>st</sup> Semester)	<i>Prerequisite Course for Culinary Arts</i>
133		Textiles and Design 1	(Either Semester)	
139		Textiles and Design 2	(Either Semester)	
141		Textiles and Design 3	(Either Semester)	
134		Personal & Family Relations	(1 <sup>st</sup> Semester)	
135		Child Development	(2 <sup>nd</sup> Semester)	<i>Prerequisite Course for Cadet Teaching</i>
138		Culinary Arts	(2 <sup>nd</sup> Semester)	
66		Advanced Health	(2 <sup>nd</sup> Semester)	

#### Agricultural Education

147		Agricultural Education 4	(1 <sup>st</sup> Semester)	
171		College Animal Science I	(1 <sup>st</sup> Semester)	<i>Instructor Approval</i>
143		College Ag. Business	(2 <sup>nd</sup> Semester)	<i>Instructor Approval</i>
149		Horticulture	(2 <sup>nd</sup> Semester)	<i>Instructor Approval</i>

#### Industrial Education

148		Intro to Drafting & Design	(Either Semester)	<i>Prerequisite Course for Adv. Metals, Woods &amp; CAD</i>
151		Ind. Design, Layout & Assembly 1 (CAD)	(Either Semester)	
152		Ind. Design, Layout & Assembly 2 (CAD)	(Either Semester)	
153		Ind. Design, Layout & Assembly 3 (CAD)	(2 <sup>nd</sup> Semester)	
154		Beginning Woods	(Either Semester)	
155		Advanced Woods	(Either Semester)	
160		Beginning Metals	(Either Semester)	
161		Advanced Metals	(Either Semester)	
163		Power Mechanics	(2 <sup>nd</sup> Semester)	
170		Equipment Refinishing	(1 <sup>st</sup> Semester)	
164		Beginning Manufacturing	(Either Semester)	<i>Prerequisite Course is Advanced Metals</i>
165		Beginning Carpentry	(Either Semester)	<i>Prerequisite Course is Advanced Woods</i>

#### Art

175		Foundations of Art 1	(1 <sup>st</sup> Semester)	<i>Prerequisite Course for all Art classes, except Fnd of Art 2</i>
183		Foundations of Art 2	(2 <sup>nd</sup> Semester)	<i>Prerequisite Course for Drawing</i>
176		Creative Drawing	(1 <sup>st</sup> Semester)	<i>Prerequisite Course for Painting</i>
177		Graphic Design	(1 <sup>st</sup> Semester)	
178		Sculpture	(1 <sup>st</sup> Semester)	
179		Painting	(2 <sup>nd</sup> Semester)	
181		Ceramics	(2 <sup>nd</sup> Semester)	
180		Photography	(2 <sup>nd</sup> Semester)	
182		Art Portfolio	(2 <sup>nd</sup> Semester)	

#### NIACC Career Link Academies

194		<b>Entrepreneurship Academy</b> (Garner-Hayfield-Ventura) 2 periods + English or Comp I & II
200		<b>Health Careers</b> Hanson Career Center (Forest City)
203		<b>I.T. (Information Technology)</b> Hanson Career Center (Forest City)
204		<b>Building Trades</b> Hanson Career Center (Forest City)
199		<b>Advanced Manufacturing</b> Hanson Career Center (Forest City)
201		<b>Automotive Service Technology</b> (North Iowa Area Community College)
202		<b>Tool &amp; Die Technology</b> (North Iowa Area Community College)

#### Other

187		TAG	(Either Semester)	<i>Instructor Approval Required</i>
186		Mock Trial	(2 <sup>nd</sup> Semester)	
218		Band	(Year Course)	
223		Flag/Rifle	(1 <sup>st</sup> Semester)	
221		Vocal	(Year Course)	
191		Work Experience	(Either Semester)	<i>Principal Approval Required</i>
192		Cadet Teaching	(Either Semester)	<i>Instructor Approval Required-Min Pre-requisite.</i>
207		*Physical Education	(Year Course)	<i>*Required</i>
		Advanced Academics	(1 <sup>st</sup> and/or 2 <sup>nd</sup> Semester)	See Course Description for Class Requirement

***(Bold/italicized count toward 5 advanced courses to qualify for PE Waiver)***

# **Garner-Hayfield-Ventura High School**

## **Extra-Curricular Activities**

Archery  
Baseball  
Boys Basketball  
Boys Cross Country  
Boys Golf  
Boys Soccer  
Boys Track  
Cheerleading  
Concert Band  
Contest Speech  
Dramatics  
E – Sports  
FCA (Fellowship of Christian Athletes)  
FFA (Future Farmers of America)  
FCCLA (Family, Career & Community Leaders of America)  
Flag/Rifle  
Football  
Girls Basketball  
Girls Cross Country  
Girls Golf  
Girls Soccer  
Girls Track  
Instrumental Ensemble  
Instrumental Solo  
Jazz Band  
Marching Band  
Mock Trial  
National Honor Society  
Softball  
Student Council  
Teen Council  
Trapshooting  
Vocal  
Vocal Ensemble  
Vocal Jazz  
Vocal Solo  
Volleyball  
Wrestling  
Yearbook Staff  
YIELD (Youth Investing Energy in Leadership Development)

# FOREIGN LANGUAGE

## GRADE

9	10	11	12	Course Name	Course Length	Semester Offered	Credits	Prerequisite
X	X	X	X	Spanish 1	1 Year	Fall-Spring	2	None
	X	X	X	Spanish 2	1 Year	Fall-Spring	2	Spanish 1
		X	X	Spanish 3	1 Year	Fall-Spring	2	Spanish 2
			X	Spanish 4	1 Year	Fall-Spring	2	Spanish 3
			X	Spanish 4 Advanced Spanish	1 Year	Fall-Spring	2	Spanish 3 Instructor Approval

*The study of a foreign language is highly recommended for college-bound students and can greatly benefit all other students, especially in the areas of English, Social Studies, Science, Business, and Music. Several colleges have foreign language requirements, so check your college catalog or consult your counselor to find out if the college of your choice requires a foreign language. Foreign language requirements at the three regent state universities: Iowa, ISU, and UNI are as follows:*

### **UNI:**

- You will need one year of foreign language to graduate from UNI. This can be satisfied by:
  - \* 2 years of high school foreign language (C- or better in the last course taken) or
  - \* 1 year of high school + one semester of college.

### **University of Iowa:**

- For Admission = 2 years of high school
- To graduate = 4 years of high school or 4 year of proficiency is required.
- (Nursing – 4 years in a single language or 2 years each in 2 different languages + 1 year of Physics)

### **Iowa State University:**

#### **Liberal Arts and Sciences College:**

- For Admission = 2 years of high school
- To graduate = 3 years of high school or 3 years of proficiency is required.

#### **College of Engineering:**

- For Admission = 2 years of high school foreign language

## FOREIGN LANGUAGE

**COURSE:** **Spanish I**  
**COURSE LENGTH:** One Year (1 credit per semester)  
**COURSE TYPE:** Elective  
**PREREQUISITES:** None  
**GRADE AVAILABILITY:** 9 -12  
**COURSE DESCRIPTION:**

In this course, Spanish is introduced incorporating activities that emphasize the skills of reading, writing and speaking the language. Culture of Spanish-speaking countries is also studied. A passable grade first semester is required to continue into second semester.

### **SCED Code 24052 Spanish I**

Designed to introduce students to Spanish language and culture, Spanish I courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Spanish-speaking cultures.

**COURSE:** **Spanish 2**  
**COURSE LENGTH:** One Year (1 credit per semester)  
**COURSE TYPE:** Elective  
**PREREQUISITES:** Spanish 1  
**GRADE AVAILABILITY:** 10, 11, and 12  
**COURSE DESCRIPTION:**

This course is open to all students who have successfully completed Spanish 1. This course involves a continuation and elaboration of the basics learned in Spanish 1. The students are involved in speaking, reading and writing activities. Culture is also continued. A passable grade first semester is required to continue into second semester.

### **SCED Code 24053 Spanish II**

Spanish II courses build upon skills developed in Spanish I, preparing students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Spanish II courses introduce the relationships among the products, practices, and perspectives of Spanish-speaking cultures.

**COURSE:** **Spanish 3**  
**COURSE LENGTH:** One Year (1 credit per semester)  
**COURSE TYPE:** Elective  
**PREREQUISITES:** Spanish 1 and 2  
**GRADE AVAILABILITY:** 11, 12  
**COURSE DESCRIPTION:**

This course is open to all students who have successfully completed two years of Spanish. This course focuses on furthering student abilities in speaking, reading, writing, and listening. Spanish 3 continues the study of the language elaborating on the concepts learned in Spanish 1 and Spanish 2. Culture is also continued. A passable grade first semester is required to continue into second semester.

### **SCED Code 24054 Spanish III**

Spanish III courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Spanish-speaking countries and cultures.

<b>COURSE:</b>	<b>Spanish 4</b>
<b>COURSE LENGTH:</b>	One Year (1 credit per semester)
<b>COURSE TYPE:</b>	Elective
<b>PREREQUISITES:</b>	Spanish 1, 2 and 3
<b>GRADE AVAILABILITY:</b>	12

**COURSE DESCRIPTION:**

This course is for students who have successfully completed three years of Spanish. It continues the project-oriented activities from Spanish 3 and group work is emphasized. Increased awareness of the use of Spanish and our culture and other cultures is studied. A passable grade first semester is required to continue into second semester.

**SCED Code 24055 Spanish IV**

Spanish IV courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Spanish IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Spanish-speaking countries and cultures.

<b>COURSE:</b>	<b>Advanced Spanish 4</b>
<b>COURSE LENGTH:</b>	One Year (1 credit per semester)
<b>COURSE TYPE:</b>	Elective
<b>PREREQUISITES:</b>	Spanish 1, 2, 3 and Instructor Approval
<b>GRADE AVAILABILITY:</b>	12

**COURSE DESCRIPTION:**

This course is for students who have successfully completed four years of Spanish. Increased awareness of the use of Spanish and our culture and other cultures is studied. A passable grade first semester is required to continue into second semester. Completing a full year of Advanced Spanish 4 allows students to earn 1/3 of their Spanish minor before graduating high school.

**SCED Code 24056 Advanced Spanish 4**

Advanced Spanish 4 courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Advanced Spanish 4 courses promote students' understanding of the relationships among the products, practices, and perspectives of Spanish-speaking countries and cultures.

## LANGUAGE ARTS

### GRADE

9	10	11	12	Course Name	Course Length	Semester Offered	Credits	Prerequisite
X				English 9	1 Year	Fall-Spring	2	None
	X			English 10	1 Year	Fall-Spring	2	English 9
		X		English 11	1 Year	Fall-Spring	2	English 9 & 10
			X	English 12	1 Year	Fall-Spring	2	English 9,10 & 11
			X	Composition I	1 Semester	Fall	1	English 9, 10, 11 & Instructor Approval
			X	Composition II	1 Semester	Spring	1	Composition I
			X	Communications I	1 Semester	Fall	1	English 9, 10, 11 & Instructor Approval
			X	Communications II	1 Semester	Spring	1	Communications I



## LANGUAGE ARTS

**COURSE:** English 9

**COURSE LENGTH:** One Year

**COURSE TYPE:** Required

**PREREQUISITES:** None

**GRADE AVAILABILITY:** 9

**COURSE DESCRIPTION:**

English 9 is a comprehensive course that builds upon previously introduced areas of English. Students will read a variety of literary and informational selections geared to reinforce and develop the skills of a good reader. Additionally, the grammar and composition portion is aimed at aiding students in developing strong written expression in both expository and persuasive formats. Vocabulary units and speeches are interspersed throughout the year.

**SCED Code 01001 English/Language Arts I (9th grade)**

English/Language Arts I (9th grade) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections.

**COURSE:** English 10

**COURSE LENGTH:** One Year

**COURSE TYPE:** Required

**PREREQUISITES:** English 9

**GRADE AVAILABILITY:** 10

**COURSE DESCRIPTION:**

English 10 is a comprehensive course that builds upon previously introduced areas of English. The course examines various types of literature (short story, essays, and drama) as well as grammar and composition. Learning targets focus on comprehending both fiction and non-fiction text, and writing goals focus on narrative, expository and argumentative compositions using elements of the writer's workshop. Formulating sound opinions and expressing them is emphasized in all aspects of this course. A formal position/research paper as well as speeches will be completed in this class. Vocabulary units are interspersed throughout the year.

**SCED Code 01002 English/Language Arts II (10th grade)**

English/Language Arts II (10th grade) courses usually offer a balanced focus on composition and literature. Typically, students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message.

**COURSE:** English 11

**COURSE LENGTH:** One Year

**COURSE TYPE:** Required

**PREREQUISITES:** English 9 and English 10

**GRADE AVAILABILITY:** 11

**COURSE DESCRIPTION:**

English 11 includes a skills-centered study of predominantly American literature (literary and informational text) and writing (technical and academic). The literature is a diverse collection of classical and contemporary selections. Typical problems in written communication are reviewed, and students complete four career documents as a part of the cross-curricular career unit. Vocabulary units and speeches are interspersed throughout the year.

**SCED Code 01003 English/Language Arts III (11th grade)**

English/Language Arts III (11th grade) courses continue to develop students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature, which often form the backbone of the writing assignments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses.

**COURSE:** English 12  
**COURSE LENGTH:** One Year  
**COURSE TYPE:** Required  
**PREREQUISITES:** English 9, English 10 and English 11  
**GRADE AVAILABILITY:** 12  
**COURSE DESCRIPTION:**

English 12 continues the study of literature and writing, this time using a diverse collection of world literature. Students will read a variety of literary and informational selections, both classical and contemporary. A research interview project and research paper are among the writing assignments. Vocabulary units and speeches are interspersed throughout the year.

**SCED Code 01004 English/Language Arts IV (12th grade)**

English/Language Arts IV (12th grade) courses blend composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students primarily write multi-paragraph essays, but they may also write one or more major research papers.

**COURSE:** Composition I (NIACC Concurrent Enrollment Course)-ENG-105  
**COURSE LENGTH:** 1 Semester (Fall)  
**COURSE TYPE:** Elective  
**PREREQUISITES:** English 9, 10, 11; NIACC Writing Assessment Score of 10 or higher or ACT Reading score of 16 or above; Instructor Approval  
**GRADE AVAILABILITY:** 12  
**COURSE DESCRIPTION:**

This is an advanced writing course. The focus of this course is advancement of already well-developed writing and editing, with an emphasis on expository methods of development and personal experience as supporting material. Students will be required to use Word, Turnitin and Google Classroom. This is a writing course, not a reading/literature course, nor does it include the speech component of ENG-102. Students must earn a minimum of a "C" in ENG-105 to move on to ENG-106. As this is a college course, we will be adhering to NIACC's guidelines and policies, which will be noted in the course syllabus. Students must score proficient in math, reading and science on the Iowa Assessments. Spring break for this course will follow that of the GHV calendar.

**SCED Code 01103 Composition**

Composition courses focus on students' writing skills and develop their ability to compose different types of papers for a range of purposes and audiences. These courses enable students to explore and practice descriptive, narrative, persuasive, or expository styles as they write paragraphs, essays, letters, applications, formal documents papers, or technical reports. Although composition courses may present some opportunities for creative writing, their focus usually remains on nonfiction, scholarly, or formal writing.

**COURSE:** Composition II (NIACC Concurrent Enrollment Course)-ENG-106  
**COURSE LENGTH:** 1 Semester (Spring)  
**COURSE TYPE:** Elective  
**PREREQUISITES:** Students must have earned a minimum of a "C" in ENG-105 to move on to ENG-106.  
**GRADE AVAILABILITY:** 12  
**COURSE DESCRIPTION:**

This is an advanced writing course. This course is a continuation of ENG-105 with an emphasis on argumentative writing and research methods. Students will be required to use Word, Google Classroom, Turnitin, this is not a reading/literature course, nor does it include the speech component of ENG-103. Students must score proficient in math, reading, and science on the Iowa Assessments. As this is a college course, we will be adhering to NIACC's guidelines and policies that will be noted in the course syllabus. Spring break for this course will follow that of the GHV calendar.

**SCED Code 01103 Composition**

Composition courses focus on students' writing skills and develop their ability to compose different types of papers for a range of purposes and audiences. These courses enable students to explore and practice descriptive, narrative, persuasive, or expository styles as they write paragraphs, essays, letters, applications, formal documents papers, or

technical reports. Although composition courses may present some opportunities for creative writing, their focus usually remains on nonfiction, scholarly, or formal writing.

**COURSE: Communications I (NIACC Concurrent Enrollment Course)-ENG-701**

**COURSE LENGTH:** 1 Semester (Fall)

**COURSE TYPE:** Elective

**PREREQUISITES:** English 9, 10, 11; Instructor Approval

**GRADE AVAILABILITY:** 12 (for those participating in NIACC Academics: Automotive, Building Trades, Advanced Manufacturing, etc.)

**COURSE DESCRIPTION:**

Study designed to assist students in improving and/or refining skills in areas of reading, writing, listening and speaking to help meet communication needs in college and for success and advancement in both professional and personal settings. No prerequisite or corequisite necessary to participate in this course.

**SCED Code 01155 Composition**

Communications courses focus on the application of written and oral communication skills through a variety of formal and informal experiences. The courses are performance-based and emphasize effective interpersonal and team-building skills. Communications courses may also involve the study of how interpersonal communications are affected by stereotypes, nonverbal cues, vocabulary, and stylistic choices.

**COURSE: Communications II (NIACC Concurrent Enrollment Course)-ENG-702**

**COURSE LENGTH:** 1 Semester (Spring)

**COURSE TYPE:** Elective

**PREREQUISITES:** Students must have earned a minimum of a "C" in ENG-701 to move on to ENG-702.

**GRADE AVAILABILITY:** 12 (for those participating in NIACC Academics: Automotive, Building Trades, Advanced Manufacturing, etc.)

**COURSE DESCRIPTION:**

Study designed to assist students in improving and/or refining skills in the areas of reading, writing, listening, and speaking to help meet the communication needs in college and for success and advancement in both professional and personal setting.

**SCED Code 01155 Composition**

Communications courses focus on the application of written and oral communication skills through a variety of formal and informal experiences. The courses are performance-based and emphasize effective interpersonal and team-building skills. Communications courses may also involve the study of how interpersonal communications are affected by stereotypes, nonverbal cues, vocabulary, and stylistic choices.

# MATHEMATICS

## GRADE

9	10	11	12	Course Name	Course Length	Semester Offered	Credits	Prerequisite
X	X			Algebra I-A	1 Year	Fall-Spring	2	None
	X	X		Algebra I-B	1 Year	Fall-Spring	2	Algebra I-A
		X	X	Consumer Math	1 Year	Fall-Spring	2	None
X	X	X	X	Algebra I	1 Year	Fall-Spring	2	None
	X	X	X	Geometry	1 Year	Fall-Spring	2	Algebra I
	X	X	X	Algebra II	1 Year	Fall-Spring	2	Algebra I Geometry
		X	X	Statistics	1 Year	Fall-Spring	2	Geometry Algebra II
		X	X	Pre-Calculus	1 Year	Fall-Spring	2	Algebra II
			X	Calculus	1 Year	Fall-Spring	2	Pre-Calculus

**If you are in 8th grade, you have several options to choose from:**

**OPTION 1**

9th grade	Algebra I
10th grade	Geometry
11th grade	Algebra II
12th grade	Pre-Calculus and/or Statistics

**OPTION 2**

9th grade	Algebra I
10th grade	Geometry & Algebra II
11th grade	Pre-Calculus and/or Statistics
12th grade	Statistics and/or Calculus

**OPTION 3**

9th grade	Algebra I-A
10th grade	Algebra I-B
11th grade	Geometry or Consumer Math
12th grade	Algebra II or Consumer Math

## Mathematics

**COURSE:** Algebra I-A  
**COURSE LENGTH:** One Year  
**COURSE TYPE:** Elective  
**PREREQUISITES:** None  
**GRADE AVAILABILITY:** 9 and 10

**COURSE DESCRIPTION:**

First semester topics: working with rational numbers and integers, writing and evaluating algebraic expressions, solving one-variable equations.

Second semester topics: graphing equations with two variables, slope and rate of change, and writing two-variable linear equations.

**SCED Code 02053 Algebra I**

The first part in the multi-part sequence of Algebra I. This course generally covers the same topics as the first semester of Algebra I, including the study of properties of rational numbers (i.e., number theory), ratio, proportion, and estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first degree equations and inequalities.

**COURSE:** Algebra I-B  
**COURSE LENGTH:** One Year  
**COURSE TYPE:** Elective  
**PREREQUISITES:** Algebra I-A  
**GRADE AVAILABILITY:** 9, 10, and 11

**COURSE DESCRIPTION:**

First semester topics: solving linear inequalities, solving systems of equations, working with exponents and square roots.

Second Semester topics: operations with polynomials, factoring polynomials, and working with quadratic equations.

**SCED Code 02051 Pre-Algebra**

The second part in a multi-part sequence of Algebra I. This course generally covers the same topics as the second semester of Algebra I, including the study of properties of the real number system and operations, evaluating rational algebraic expressions, solving and graphing first degree equations and inequalities, translating word problems into equations, operations with and factoring of polynomials, and solving simple quadratics.

**COURSE:** Algebra 1  
**COURSE LENGTH:** One Year  
**COURSE TYPE:** Elective  
**PREREQUISITES:** None  
**GRADE AVAILABILITY:** 9, 10, 11 or 12

**COURSE DESCRIPTION:**

During the year in algebra, addition, subtraction, division and multiplication of integers and literal terms are stressed. Graphs, formulas, linear equations, fractions, and factoring are important topics. Constants, variables, monomials, exponents, coefficients, binomials, trinomials, and polynomials are terms that are learned. Algebra 1 is strongly recommended for students aspiring to pursue those programs laden with theory-oriented mathematical knowledge: engineers, surveyors, navigators, architects, etc.

**SCED Code 02052 Algebra I**

Algebra I courses include the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations.

**COURSE:** **Geometry**  
**COURSE LENGTH:** One Year  
**COURSE TYPE:** Elective  
**PREREQUISITES:** Algebra 1 or Algebra I-A & Algebra I-B  
**GRADE AVAILABILITY:** 10, 11, and 12  
**COURSE DESCRIPTION:**

Geometry is the branch of mathematics that deals with lines, points, angles, polygons, circles and other geometric figures. Many of the ideas about these geometric figures are proved true; some are proved to be false. Geometry is training in simple logic and good thinking habits. Appreciation of geometric design and application of true geometric ideas are essential parts of the course. Geometry is strongly recommended for students planning to pursue college and especially for aspiring engineers, surveyors, foresters, artists, navigators, architects, mechanics, etc.

**SCED Code 02072 Geometry**

Geometry courses, emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

**COURSE:** **Algebra II**  
**COURSE LENGTH:** One Year  
**COURSE TYPE:** Elective  
**PREREQUISITES:** Algebra 1 & Geometry  
**GRADE AVAILABILITY:** 10, 11, and 12  
**COURSE DESCRIPTION:**

This course represents the second year of the college-bound math sequence and gives a more in-depth study of this important segment of mathematics. It is a college preparation course for all students intending to attend college. Special emphasis is placed on the techniques of problem solving, besides the usual techniques of handling such topics as exponents, quadratics, systems of equations, irrational and complex numbers, and graphs.

**SCED Code 02056 Algebra II**

Algebra II course topics typically include field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; and operations with rational and irrational exponents.

**COURSE:** **Consumer Mathematics**  
**COURSE LENGTH:** One Year  
**COURSE TYPE:** Elective  
**PREREQUISITES:** Instructor Approval  
**GRADE AVAILABILITY:** 11 and 12  
**COURSE DESCRIPTION:**

This course is designed for students who have a basic grasp of math computation and want to learn to apply these skills to consumer situations.

First semester topics include earning money, buying food, shopping for clothes, managing a household, buying and maintaining a car, and working with food.

Second semester topics include improving your home, traveling, budgeting, banking and investing and taxes.

**SCED Code 02157 Consumer Math**

Consumer Math courses reinforce general math topics (such as arithmetic using rational numbers, measurement, ratio and proportion, and basic statistics) and apply these skills to consumer problems and situations. Applications typically include budgeting, taxation, credit, banking services, insurance, buying and selling products and services, home and/or car ownership and rental, managing personal income, and investment.

**COURSE:** **Statistics**  
**COURSE LENGTH:** One Year  
**COURSE TYPE:** Elective  
**PREREQUISITES:** Geometry & Algebra 2  
**GRADE AVAILABILITY:** 11, 12

**COURSE DESCRIPTION:**

This is a course designed for those students wanting math beyond Algebra 2 but not planning to take Calculus in college. It is geared more toward the students who are going into one of the Social Science fields, or into education. It continues to build on the foundation of Algebra 2. Below is a listing of the major topics for Statistics: Descriptive Statistics, Numerical Data Analysis, Probability, Discrete Probability Distributions, Normal Distribution, Sampling, Estimation, Hypothesis Testing.

**SCED Code 02201 Probability and Statistics**

Probability and Statistics courses introduce the study of likely events and the analysis, interpretation, and presentation of quantitative data. Course topics generally include basic probability and statistics: discrete probability theory, odds and probabilities, probability trees, populations and samples, frequency tables, measures of central tendency, and presentation of data (including graphs). Course topics may also include normal distribution and measures of variability.

**COURSE:** **Pre-Calculus**  
**COURSE LENGTH:** One Year  
**COURSE TYPE:** Elective  
**PREREQUISITES:** Geometry & Algebra 2  
**GRADE AVAILABILITY:** 11, 12

**COURSE DESCRIPTION:**

This is a course designed for those students needing a fourth year of math and expecting to take Calculus in their first year of college. It is built upon the foundations built in Geometry and Algebra 2. The first semester will cover: Coordinate Geometry, Polynomials, Inequalities, Functions & Exponential & Logarithmic Functions. The second semester will cover: Triangle-based Trigonometry, Circle-based Trigonometry, Advanced Graphing, Conic Sections, Determinants, Series and Sequences. If time allows: Polar Coordinates and Complex Numbers.

**SCED Code 02110 Pre-Calculus**

Pre-Calculus courses combine the study of Trigonometry, Elementary Functions, Analytic Geometry, and Math Analysis topics as preparation for calculus. Topics typically include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity.

**COURSE:** **Calculus**  
**COURSE LENGTH:** One Year  
**COURSE TYPE:** Elective  
**PREREQUISITES:** Pre-Calculus  
**GRADE AVAILABILITY:** 12

**COURSE DESCRIPTION:**

This course is designed for those students who are planning on taking Calculus in the 1st year of college. The course will introduce the student to terminology and methodology of calculus without going to deeply into theory. The following topics will be covered: Pre-Calculus review, Functions and Graphs, Limits and Continuity, Differentiation, Applications of Differentiation and possibly Integration. This course may be taken pass/fail.

**SCED Code 02121 Calculus**

Calculus courses include the study of derivatives, differentiation, integration, the definite and indefinite integral, and applications of calculus. Typically, students have previously attained knowledge of pre-calculus topics (some combination of trigonometry, elementary functions, analytic geometry, and math analysis).



## SCIENCE

### GRADE

9	10	11	12	Course Name	Course Length	Semester Offered	Credits	Prerequisite
X				Integrated Science	1 Year	Fall-Spring	2	None
	X			Biology	1 Year	Fall-Spring	2	None
	X	X	X	Intro to Chemistry	1 Year	Fall-Spring	2	Algebra I
		X	X	Advanced Chemistry	1 Year	Fall-Spring	2	C- or higher in Intro to Chemistry
		X	X	Physics	1 Year	Fall-Spring	2	Algebra II
		X	X	Anatomy & Physiology	1 Year	Fall-Spring	2	Biology
			X	College Biology	1 Year	Fall-Spring	2	Biology, Anatomy & Physiology

## SCIENCE

**COURSE:** **Integrated Science**

**COURSE LENGTH:** One Year

**COURSE TYPE:** Required

**PREREQUISITES:** None

**GRADE AVAILABILITY:** 9

**COURSE DESCRIPTION:**

This introductory science course covers topics in earth science and physics. Emphasis is placed on principles that will be used in later science courses and on the importance of science in our everyday lives. Problem solving, creativity, and communication skills are developed through hands-on projects.

**Code 03201 Integrated Science**

The specific content of Integrated Science courses varies, but they draw upon the principles of several scientific specialties—earth science and physics—and organize the material around thematic units. Common themes covered include systems, models, energy, investigate applications of the theme.

**COURSE:** **Biology**

**COURSE LENGTH:** One Year

**COURSE TYPE:** Required

**PREREQUISITES:** None

**GRADE AVAILABILITY:** 10

**COURSE DESCRIPTION:**

This course involves the study of living organisms. The topics include cell biology, genetics, biotechnology, evolutionary theory, ecology, biodiversity, microscopic organisms, and invertebrates to mammals. Lab activities and science related careers are included.

**SCED Code 03051 Biology**

Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy.

**COURSE:** **Intro to Chemistry**

**COURSE LENGTH:** One Year

**COURSE TYPE:** Required

**PREREQUISITES:** Algebra 1

**GRADE AVAILABILITY:** 10 (Instructor Approval), 11, 12

**COURSE DESCRIPTION:**

Chemistry is the study of matter, its composition and interactions. This course will stress areas in which a college bound student should be prepared as well as giving valuable chemical background to a student. The class is recommended for juniors and seniors but is open to select sophomores. The first semester concentrates on theory related to the structure of matter, the periodic table and chemical reactions. The second semester is more mathematical in nature, concentrating on the mole concept, stoichiometry, heat relationships and equilibrium.

**SCED Code 03101 Chemistry**

Chemistry courses involve studying the composition, properties, and reactions of substances. These courses typically explore such concepts as the behaviors of solids, liquids, and gases; acid/base and oxidation/reduction reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied.

**COURSE:** **Advanced Chemistry**

**COURSE LENGTH:** One Year

**COURSE TYPE:** Elective

**PREREQUISITES:** C- or higher in Intro to Chemistry

**GRADE AVAILABILITY:** 11, 12

This course is a continuation of Intro to Chemistry and is strongly recommended for college bound students who will be pursuing a science-related field such as health, engineering, pharmacy or students with strong science and math skills. Advanced topics include solution chemistry, equilibrium and acid-base chemistry during the first semester. Second semester topics concentrate on oxidation-reduction, electrochemistry, thermodynamics, nuclear chemistry and an

introduction to organic chemistry.

**SCED Code 03102 Chemistry—Advanced Studies**

Usually taken after a comprehensive initial study of chemistry, Chemistry—Advanced Studies courses cover chemical properties and interactions in more detail. Advanced chemistry topics include thermodynamics, electrochemistry, kinetic theory, and nuclear chemistry.

**COURSE:** **Physics**  
**COURSE LENGTH:** One Year  
**COURSE TYPE:** Elective  
**PREREQUISITES:** Algebra II  
**GRADE AVAILABILITY:** 11, 12  
**COURSE DESCRIPTION:**

Physics is a physical science related course. It stresses experience in the study of motion, heat, energy, force, light, electricity, thermodynamics, and nuclear physics. Students enrolling in this course should have strong Algebra 2 skills and a genuine interest in a science-related field.

**SCED 03151 Physics**

Physics courses involve the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, and magnetic and electric phenomena.

**COURSE:** **Anatomy & Physiology**  
**COURSE LENGTH:** One Year  
**COURSE TYPE:** Elective  
**PREREQUISITES:** Biology  
**GRADE AVAILABILITY:** 11, 12  
**COURSE DESCRIPTION:**

This course involves the study of structure and function of the human body. Dissection and lab activities and other activities will be utilized to enhance better understanding of the human body. This course will require additional periods of preparation.

**SCED Code 03053 Anatomy & Physiology**

Usually taken after a comprehensive initial study of biology, Anatomy and Physiology courses present the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, and so on), and may dissect mammals.

**COURSE:** **Introductory Biology (College Biology)**  
**COURSE LENGTH:** One Year  
**COURSE TYPE:** Elective – College Credit-4 Credits  
**PREREQUISITES:** Biology, Anatomy & Physiology  
**GRADE AVAILABILITY:** 12  
**COURSE DESCRIPTION:**

Introductory Biology is a 4- college-credit hour course that is intended for non-science majors. This course will generally meet science elective credit requirements at most colleges. This course is designed to familiarize the student with cellular structure, inheritance, evolution, the organ systems involved in plant and animal nutrition, transport, and reproduction, along with the human nervous system and senses. This course also aids in developing critical thinking skills.

**SCED Code 03052C Conceptual Biology**

These courses provide students with a basic understanding of living things. Topics covered may include ecology and environmental problems such as overpopulation and pollution as well as cells, types of organisms, evolutionary behavior, and inheritance.

## SOCIAL SCIENCE

### GRADE

9	10	11	12	Course Name	Course Length	Semester Offered	Credits	Prerequisite
	X	X	X	Contemporary World Issues	1 Semester	Fall	1	None
	X	X	X	World Geography	1 Semester	Spring	1	None
	X	X	X	World Studies I	1 Semester	Fall	1	None
	X	X	X	World Studies II	1 Semester	Spring	1	None
		X		American History	1 Year	Fall/Spring	2	None
			X	Economics	1 Semester	Fall	1	None
			X	American Government	1 Semester	Spring	1	None
		X	X	Psychology	1 Semester	Fall/Spring	1	None
		X	X	Sociology	1 Semester	Fall/Spring	1	None
		X	X	Financial Literacy	1 Semester	Fall/Spring	1	None

## **SOCIAL SCIENCE**

### **COURSE: Contemporary World Issues**

**COURSE LENGTH:** One Semester (Fall)

**COURSE TYPE:** Elective

**PREREQUISITES:** None

**GRADE AVAILABILITY:** 10, 11, and 12

#### **COURSE DESCRIPTION:**

Contemporary World Issues courses enable students to study political, economic and social issues facing the world. These courses may focus on current issues, examine selected issues throughout the 20<sup>th</sup> Century, and look at historical causes or possible solutions.

#### **SCED Code 04064 Contemporary World Issues**

Contemporary World Issues courses enable students to study political, economic, and social issues facing the world. These courses may focus on current issues, examine selected issues throughout the 20<sup>th</sup> century, and look at historical causes and possible solutions.

### **COURSE: World Geography**

**COURSE LENGTH:** One Semester (Spring)

**COURSE TYPE:** Elective

**PREREQUISITES:** None

**GRADE AVAILABILITY:** 10, 11, and 12

#### **COURSE DESCRIPTION:**

World Geography will provide students with an overview of world geography. Topics typically include the physical environment, the political landscape, the relationship between people and the land, economic production and development, and the movement of people, goods, and ideas.

#### **SCED Code 04001 World Geography**

World Geography courses provide students with an overview of world geography, but may vary widely in the topics they cover. Topics typically include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods, and ideas.

### **COURSE: World Studies I/World Studies II**

**COURSE LENGTH:** One Semester Each (Fall/Spring)

**COURSE TYPE:** Elective

**PREREQUISITES:** None.

**GRADE AVAILABILITY:** 10, 11, and 12

#### **COURSE DESCRIPTION:**

World Studies is a two semester course that examines the history and cultures of multiple regions of the world. World Studies 1 will start with Mesopotamia and other early civilizations up through the Middle Ages. World Studies 2 will begin with the Renaissance and the age of exploration before moving onto revolution and war.

#### **SCED Code 04061 World Area Studies**

World Area Studies courses examine the history, politics, economics, society, and/or culture of one or more regions of the world, such as Africa, Latin America, the former Soviet Union, Far East Asia, and the Middle East. These courses may focus primarily on the history of a particular region or may take an interdisciplinary approach to the contemporary issues affecting the region. Furthermore, these courses may emphasize one particular country (other than the United States), rather than emphasizing a region or continent.

**COURSE:** **American History**  
**COURSE LENGTH:** One Year  
**COURSE TYPE:** Required  
**PREREQUISITES:** None  
**GRADE AVAILABILITY:** 11

**COURSE DESCRIPTION:**

This course will provide students with a broad overview of American history. The first semester will focus on history of the United States from the beginnings of European exploration and settlement through Reconstruction. The second semester will pick up where the first semester ended and cover topics such as Westward Expansion, the Great Depression, World War I and II, Civil Rights, and current events in American history. This course will include many hands-on activities to explore the culture, geography, economy, politics, and history of America.

**SCED Code 04101 U.S. History—Comprehensive**

U.S. History—Comprehensive courses provide students with an overview of the history of the United States, examining time periods from discovery or colonialism through World War II or after. These courses typically include a historical overview of political, military, scientific, and social developments. Course content may include a history of the North American peoples before European settlement.

**COURSE:** **Economics**  
**COURSE LENGTH:** One Semester (Fall)  
**COURSE TYPE:** Required  
**PREREQUISITES:** None  
**GRADE AVAILABILITY:** 12

**COURSE DESCRIPTION:**

The purpose of this course is to examine economic decision-making and the U.S. economy. Specific objectives will help you understand practical economics and the U.S. system.

**SCED Code 04201 Economics**

Economics courses provide students with an overview of economics with primary emphasis on the principles of microeconomics and the U.S. economic system. These courses may also cover topics such as principles of macroeconomics, international economics, and comparative economics. Economic principles may be presented in formal theoretical contexts, applied contexts, or both.

**COURSE:** **American Government**  
**COURSE LENGTH:** One Semester (Spring)  
**COURSE TYPE:** Required  
**PREREQUISITES:** None  
**GRADE AVAILABILITY:** 12

**COURSE DESCRIPTION:**

American Government is intended to give an up-to-date view of the structure and functions of government at the national, state and local levels. The major focus is on the Federal system and the Constitution. Topics include history, the branches of government, as well as current event topics.

**SCED Code 04151 U.S. Government—Comprehensive**

U.S. Government—Comprehensive courses provide an overview of the structure and functions of the U.S. government and political institutions and examine constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. These courses may examine the structure and function of state and local governments and may cover certain economic and legal topics.

**COURSE:** **Psychology**  
**COURSE LENGTH:** One Semester (Fall/Spring)  
**COURSE TYPE:** Elective  
**PREREQUISITES:** None  
**GRADE AVAILABILITY:** 11, 12

**COURSE DESCRIPTION:**

This course looks at behavior from a scientific viewpoint attempting to understand the behavior of individuals. Topics include but are not limited to theories, careers, development, learning, disorders, and personality.

**SCED Code 04254 Psychology**

Psychology courses introduce students to the study of individual human behavior. Course content typically includes (but

is not limited to) an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology.

<b>COURSE:</b>	<b>Sociology</b>
<b>COURSE LENGTH:</b>	One Semester (Fall/Spring)
<b>COURSE TYPE:</b>	Elective
<b>PREREQUISITES:</b>	None.
<b>GRADE AVAILABILITY:</b>	11, 12

**COURSE DESCRIPTION:**

Sociology offers to the student an opportunity to gain an understanding of human behavior in society. This course provides an overview of sociology, generally including (but not limited to) topics such as social norms, socialization and social change, and the relationships among individuals and groups in society.

**SCED Code 04258 Sociology**

Sociology courses introduce students to the study of human behavior in society. These courses provide an overview of sociology, generally including (but not limited to) topics such as social institutions and norms, socialization and social change, and the relationships among individuals and groups in society.

<b>COURSE:</b>	<b>Financial Literacy</b>
<b>COURSE LENGTH:</b>	One Semester (Fall/Spring)
<b>COURSE TYPE:</b>	Required
<b>PREREQUISITES:</b>	None
<b>GRADE AVAILABILITY:</b>	11, 12

**COURSE DESCRIPTION:**

Financial Literacy will offer the students an insight into managing their own money. This course will include learning about investments, marketing, insurance and budgeting.

**SCED Code 22900 Iowa Financial Literacy Course**

This course meets the requirements of Senate file 2415, signed into law, during the 2018 legislative session.

## BUSINESS EDUCATION

### GRADE

9	10	11	12	Course Name	Course Length	Semester Offered	Credits	Prerequisite
X	X	X	X	Introduction to Business	1 Semester	Either	1	None
	X	X	X	Retail Marketing	1 Semester	Fall	1	None
	X	X	X	Business Law	1 Semester	Spring	1	None
	X	X	X	Accounting	1 Year	Fall-Spring	2	None
		X	X	Advanced Accounting	1 Year	Fall-Spring	2	Accounting
X	X	X	X	Computer Applications	1 Semester	Fall	1	None
	X	X	X	Computer Science Principles	1 Semester	Spring	1	None



## **BUSINESS EDUCATION**

### **COURSE:**

### **Introduction to Business**

**COURSE LENGTH:**

One Semester (Either)

**COURSE TYPE:**

Elective

**PREREQUISITES:**

None

**GRADE AVAILABILITY:**

9, 10, 11, 12

### **COURSE DESCRIPTION:**

Introduction to Business is a course that will prepare students with life skills that are business related. In this class, students will get a better understanding of how their wants and needs influence prices and their roles within our economy. The student will be given help in understanding how to use bank services, insurance and how it protects an individual, and protection against consumer fraud. The class will also provide a hands-on opportunity with managing and reconciling checkbooks in the everyday world.

### **SCED Code 12051 Introductory Business**

Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial, accounting, management, and related fields.

### **COURSE:**

### **Retail Marketing**

**COURSE LENGTH:**

One Semester (Fall)

**COURSE TYPE:**

Elective

**PREREQUISITES:**

None

**GRADE AVAILABILITY:**

10, 11, 12

### **COURSE DESCRIPTION:**

Retail Marketing will focus on the field of marketing/merchandising from a business management point-of-view. It will explore various careers, large and small store operations, control and organization, promotion and selling techniques merchandise planning and other related topics.

### **SCED Code 12161 Retail Marketing**

Retail Marketing courses cover marketing principles and concepts related to the provision of goods or services directly to the consumer, emphasizing store operation, advertisement and display of goods, store security, human relations, and business management and ownership.

### **COURSE:**

### **Business Law**

**COURSE LENGTH:**

One Semester (Spring)

**COURSE TYPE:**

Elective

**PREREQUISITES:**

None

**GRADE AVAILABILITY:**

10, 11, 12

### **COURSE DESCRIPTION:**

Business Law is the study of laws that affect the student both in and out of school. Business Law will include units on understanding law, law enforcement, contracts, using credit and insurances. Law is necessary for people to live and work together. This is a one-semester class open to juniors and seniors.

### **SCED Code 12054 Business Law**

Business Law courses emphasize legal concepts that are relevant to business and business organizations. Topics examined in these courses typically include contracts, buying/renting property, installment buying, insurance, buyer/seller relationships, negotiable instruments, employment, taxes, insurance, commercial papers, legal organizational structures, and consumer liabilities.

**COURSE:** Accounting  
**COURSE LENGTH:** One Year  
**COURSE TYPE:** Elective  
**PREREQUISITES:** None  
**GRADE AVAILABILITY:** 10, 11, 12

**COURSE DESCRIPTION:**

Accounting I is a course in which a student will learn basic accounting principles and procedures. Application activities and simulations will be used to demonstrate their knowledge of the accounting cycle. Second semester accounting uses the principles and procedures learned in Accounting I and applies them to larger business situations.

**SCED Code 12104 Accounting**

Accounting courses introduce and expand upon the fundamental accounting principles and procedures used in businesses. Course content typically includes the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students may learn how to apply standard auditing principles and to prepare budgets and final reports. Calculators, electronic spreadsheets, or other automated tools are usually used. Advanced topics may include elementary principles of partnership and corporate accounting and the managerial uses of control systems and the accounting process.

**COURSE:** Advanced Accounting  
**COURSE LENGTH:** One Year  
**COURSE TYPE:** Elective  
**PREREQUISITES:** Accounting  
**GRADE AVAILABILITY:** 11, 12  
**COURSE DESCRIPTION:**

This course will continue to use the accounting principles and procedures learned in Accounting 1 and then apply that knowledge using computerized accounting and business simulations.

**SCED Code 12104 Accounting**

Accounting courses introduce and expand upon the fundamental accounting principles and procedures used in businesses. Course content typically includes the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students may learn how to apply standard auditing principles and to prepare budgets and final reports. Calculators, electronic spreadsheets, or other automated tools are usually used. Advanced topics may include elementary principles of partnership and corporate accounting and the managerial uses of control systems and the accounting process.

**COURSE:** Computer Applications  
**COURSE LENGTH:** One Semester (Fall)  
**COURSE TYPE:** Elective  
**PREREQUISITES:** None  
**GRADE AVAILABILITY:** 9-12  
**COURSE DESCRIPTION:**

This is a course for the student who wants to learn about computers and their uses in today's society. Includes word processing, proper formatting, spreadsheets, and databases.

**SCED Code 10005 Business Computer Applications**

In Business Computer Application courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages, particularly those used in the business world. Generally, these courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheets, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and telecommunications.

**COURSE:** Computer Science Principles  
**COURSE LENGTH:** One Semester (Spring)  
**COURSE TYPE:** Elective  
**PREREQUISITES:** None  
**GRADE AVAILABILITY:** 9-12  
**COURSE DESCRIPTION:**

This course will introduce high school students to the foundations of modern computing by covering a broad range of foundational topics such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing. Students will be introduced into creating an app and some video production.

**SCED Code 10011 Computer Science Principle**

Computer Science Principles courses provide students the opportunity to use programming, computational thinking, and data analytics to create digital artifacts and documents representing design and analysis in areas including the Internet, algorithms, and the impact that these have on science, business, and society. Computer Science Principles courses teach students to use computational tools and techniques including abstraction, modeling, and simulation to collaborate in solving problems that connect computation to their lives.

# VOCATIONAL AGRICULTURE

## GRADE

9	10	11	12	Course Name	Course Length	Semester Offered	Credits	Prerequisite
X				Agriculture Education 1	1 Year	Fall –Spring	2	None
	X			Agriculture Education 2	1 Year	Fall –Spring	2	None
		X		Agriculture Education 3	1 Year	Fall –Spring	2	None
			X	Agriculture Education 4	1 Semester	Fall	1	Senior
		X	X	Horticulture	1 Semester	Spring	1	Junior or Senior (preference given to Seniors (12 student max.)
			X	College Animal Science I	1 Semester	Fall	1	Instructor approval
			X	College Ag. Business	1 Semester	Spring	1	Instructor approval

## VOCATIONAL AGRICULTURE

**COURSE:** Agriculture Education 1  
**COURSE LENGTH:** One Year  
**COURSE TYPE:** Elective  
**PREREQUISITES:** None  
**GRADE AVAILABILITY:** 9  
**COURSE DESCRIPTION:**

The requirements for this course is to become an active FFA member, have a Supervised Agriculture Experience Program or Productive Project, or plans for one by the end of the semester and to maintain a Record Book for the S.A.E. project. Course content is as follows: orientation and relationships of agriculture and agricultural business occupations. Developing leadership through the activities of the FFA, leadership contests, judging contests, and parliamentary procedure. An introduction to supervised farming projects; on-farm and off-farm occupations and learning experiences. Showing and demonstrating the importance of good records and the ability to select good quality livestock. A beginning course in animal nutrition, feeds, and feeding. Swine, beef, dairy, and sheep production and livestock judging. Mini units in horse production, poultry production and career opportunities in agriculture.

### **SCED Code 18001 Introduction to Agriculture and Natural Resources**

Introduction to Agriculture courses survey a wide array of topics within the agricultural industry, exposing students to the many and varied types of agriculture and livestock career opportunities and to those in related fields (such as natural resources). These courses serve to introduce students to the agricultural field, providing them an opportunity to identify an area for continued study or to determine that their interest lies elsewhere. They often focus on developing communication skills, business principles, and leadership skills.

**COURSE:** Agriculture Education 2  
**COURSE LENGTH:** One Year  
**COURSE TYPE:** Elective  
**PREREQUISITES:** None  
**GRADE AVAILABILITY:** 10  
**COURSE DESCRIPTION:**

The requirements for this course are to become an active FFA member, maintain a S.O.E. program or productive project and complete a record book for the S.A.E. Course content is as follows: instruction in the FFA organization, leadership responsibilities, proficiency awards, committee work, state and national activities, maintaining supervised farming programs, record keeping, Ag. Math, weed identification and control, soil identification and management, soil judging, water management, soil fertility and fertilization, soil testing, fertilizer use and recommendation, plant growth and photosynthesis; corn, soybean, small grains, oats, and forage crop production; horticulture, gardens, and home landscaping; parliamentary procedure instruction, group discussion, public and extemporaneous speaking and leadership qualities.

### **SCED Code 18051 Plant Production/Science**

Plant Production/Science courses provide knowledge about the propagation of plants for food and fiber. These courses may cover such topics as soil science, irrigation, pest and weed control, food and fiber processing, and farm operations. They may also cover the knowledge and skills needed to produce all types of crops or may emphasize a particular area of the agricultural industry.

**COURSE:** Agriculture Education 3  
**COURSE LENGTH:** One Year  
**COURSE TYPE:** Elective  
**PREREQUISITES:** None  
**GRADE AVAILABILITY:** 11  
**COURSE DESCRIPTION:**

The requirements for this course are to be an active FFA member and maintain a S.O.E. Course content is as follows: advanced FFA instruction, maintaining supervised farming programs, livestock judging and selection; animal genetics, breeding and reproduction, artificial insemination techniques, meat science identification, selection, management, nutrition, and judging; farm management-records and analysis, marketing, problems of cropping systems, and livestock systems; forestry production-renovation and construction of farm shelterbelt and field windbreak.

**SCED Code 18101 Animal Production/Science**

Animal Production/Science courses impart information about the care and management of domestic and farm animals. These courses may cover animal nutrition, health, behavior, selection, reproduction, anatomy and physiology, facilities, product processing, and marketing. Students may study a particular species (swine, cattle, horses, fowl, sheep, and so on), or they may learn how to care for and maintain livestock as a more inclusive study.

**COURSE:** **Agriculture Education 4**  
**COURSE LENGTH:** Fall Semester  
**COURSE TYPE:** Elective  
**PREREQUISITES:** Senior  
**GRADE AVAILABILITY:** 12  
**COURSE DESCRIPTION:**

This semester course is designed to emphasize agricultural business management. Students will have hands-on experience with computers and concentrate on the areas of business organization, record keeping and analysis, marketing, credits and finance and taxes.

**SCED Code 18204 Particular Topics in Agribusiness**

These courses examine specific topics related to Agribusiness, such as international agriculture or commodities, rather than provide a general study of agribusiness principles.

**COURSE:** **Animal Science I**  
**COURSE LENGTH:** Fall Semester  
**COURSE TYPE:** Elective  
**PREREQUISITES:** Instructor Approval  
**GRADE AVAILABILITY:** 12  
**COURSE DESCRIPTION:**

This animal science class is a dual credit class in which the students will receive high school credit and three college credits in animal science. This course is designed to provide students with a general overview of the livestock industry. It identifies ways in which domestic animals serve a basic needs of humans for food, fiber, shelter, protection, fuel and emotional well-being. Students will develop an understanding of and be able to apply the basic principles of animal selection, breeding, genetics, feeding, health, and husbandry practices. As a student, you will become familiar with the economics and social issues that confront the livestock industry.

**SCED Code 18101 Animal Production/Science**

Animal Production/Science courses impart information about the care and management of domestic and farm animals. These courses may cover animal nutrition, health, behavior, selection, reproduction, anatomy and physiology, facilities, product processing, and marketing. Students may study a particular species (swine, cattle, horses, fowl, sheep, and so on), or they may learn how to care for and maintain livestock as a more inclusive study.

**COURSE:** **College Ag. Business**  
**COURSE LENGTH:** Spring Semester  
**COURSE TYPE:** Elective  
**PREREQUISITES:** Instructor Approval  
**GRADE AVAILABILITY:** 12  
**COURSE DESCRIPTION:**

This course applies basic economic concepts, principles and practices reflected in agriculture. Students will also reflect on the major components of an agricultural business organization, and the economic fundamentals involved in organizing, operating and managing an agricultural business.

**SCED Code 18201 Agribusiness Management**

Agribusiness Management courses provide students with the information and skills necessary for success in agribusiness and in operating entrepreneurial ventures in the agricultural industry. These courses may cover topics such as economic principles, budgeting, risk management, finance, business law, marketing and promotion strategies, insurance, and resource management. Other possible topics include developing a business plan, employee/employer relations, problem-solving and decision-making, commodities, and building leadership skills. These courses may also incorporate a survey of the careers within the agricultural industry.

<b>COURSE:</b>	<b>Horticulture</b>
<b>COURSE LENGTH:</b>	Spring Semester
<b>COURSE TYPE:</b>	Elective
<b>PREREQUISITES:</b>	Junior or Senior
<b>GRADE AVAILABILITY:</b>	11 or 12 preference given to 12 <sup>th</sup> graders (12 students max.)
<b><u>COURSE DESCRIPTION:</u></b>	

This course is an introduction course for students with a strong interest in horticulture. Careers in the industry are covered as well as basic plant systems and pest control. The students will be introduced to the areas of greenhouse management, nursery management, and landscaping. The students will be able to grow their own bedding and ornamental plants and possibly market some plants to the public.

**SCED Code 18052 General Horticulture**

General Horticulture courses expose students to the art and science of growing plants, shrubs, trees, flowers, fruits, and vegetables. In doing so, they cover a wide variety of topics, including greenhouse and nursery operations, soils and media mixtures, fruit and vegetable production, weed and pest control, and floral design.

# FAMILY AND CONSUMER SCIENCE

## GRADE

9	10	11	12	Course Name	Course Length	Semester Offered	Credits	Prerequisite
X	X	X	X	Foods	1 Semester	Fall	1	None
X	X	X	X	Introduction to Textiles & Interior Design	1 Semester	Spring	1	None
	X	X	X	Textiles and Design	1 Semester	Fall/Spring	1	Introduction to Textiles & Interior Design
	X	X	X	Advanced Foods	1 Semester	Fall	1	Foods
			X	Culinary Arts	1 Semester	Spring	1	Advanced Foods
		X	X	Personal & Family Relations	1 Semester	Fall	1	None
	X	X	X	Child Development	1 Semester	Spring	1	None
		X	X	Advanced Health	1 Semester	Spring	1	None



## FAMILY AND CONSUMER SCIENCE

**COURSE:** **Foods**  
**COURSE LENGTH:** One Semester (Fall)  
**COURSE TYPE:** Elective  
**PREREQUISITES:** None  
**GRADE AVAILABILITY:** 9, 10, 11, and 12  
**COURSE DESCRIPTION:**

Foods is a study of management skills, nutrition, food preparation, consumer issues, working with others and developing oneself. Activities will emphasize nutrition and food preparation integrated with consumer and personal skills. Foods is a prerequisite for Advanced Foods.

### **SCED Code 19252 Food Preparation & Health Management**

Formerly known as Food and Nutrition, Food Preparation and Health Management courses provide students with an understanding of food's role in society, instruction in how to plan and prepare meals, and information about the nutritional and health benefits of minimizing processed and prepared food and prepackaged/prepared meals from one's diet. These courses not only build on the basic skills of food preparation but also address financial considerations and recipe conversion to make foods healthier. Some courses place a heavier emphasis on balanced diet, while others concentrate on specific types of food preparation (such as low sodium, low fat, or increased whole foods).

**COURSE:** **Introduction to Textiles & Interior Design**  
**COURSE LENGTH:** One Semester (Spring)  
**COURSE TYPE:** Elective  
**PREREQUISITES:** None  
**GRADE AVAILABILITY:** 9, 10, 11, and 12  
**COURSE DESCRIPTION:**

Are you ready for a makeover? Introduction to Textiles & Interior Design gives you the skills to use elements and principles of design to help you select clothing, to enhance your looks, or makeover your room. Learn sewing skills to make a pair of lounge pants and possibly a pillow for the room that you design in your room makeover project. Learn about fabrics and their care. Introduction to Textiles & Interior Design is a prerequisite for Textiles and Design.

### **SCED Code 19256 Life Skills**

Life Skills courses provide students with information about a wide range of subjects to assist them in becoming wise consumers and productive adults. These courses often emphasize process skills, including goal-setting, decision-making, and other topics such as the setting of priorities, money and time management, interpersonal relationships, and the development of the self. Additionally, specific topics such as wellness, selecting and furnishing houses, meeting transportation needs, nutrition, preparing food, selecting clothing and building a wardrobe, insurance, taxation, and consumer protection may also be covered.

**COURSE:** **Textiles and Design**  
**COURSE LENGTH:** One Semester (Fall or Spring)  
**COURSE TYPE:** Elective  
**PREREQUISITES:** Introduction to Textiles & Interior Design  
**GRADE AVAILABILITY:** 10, 11, and 12  
**COURSE DESCRIPTION:**

This course is designed for students who have interests in the fields of clothing or interior design, textile merchandising (home interiors or fashion retail), or construction (sewing). Students will complete individual projects in design or construction. Students will practice both sewing and designing by completing individual projects.

### **SCED Code 19256 Clothing/Sewing**

Clothing/Sewing courses introduce students to and expand their knowledge of various aspects of wearing apparel, sewing, and fashion. These courses typically include wardrobe planning; selection, care, and repair of various materials; and construction of one or more garments. They may also include related topics, such as fashion design and history, the social and psychological aspects of clothing, careers in the clothing industry, and craft sewing.

**COURSE:** **Advanced Foods**  
**COURSE LENGTH:** One Semester (Fall)  
**COURSE TYPE:** Foods  
**GRADE AVAILABILITY:** 10, 11, and 12  
**COURSE DESCRIPTION:**

Learn to plan, prepare and serve foods for families and friends. Students will apply an understanding of nutrition and practice food preparation. Food preparation will include cooking on the grill, buying and preparing meat, frying, baking, making and decorating cakes and cookies, bread, homemade pies, candy, salads, vegetables, etc. Students will plan and prepare menus for family meals, and special events. Students will compare products to assist in making improved food selections. Advanced Foods also operates The Cardinal Café. Students will work in the café throughout the semester.

**SCED Code 19252 Food Preparation and Health Management**

Formerly known as food and Nutrition, Food Preparation and Health Management courses provide students with an understanding of food's role in society, instruction in how to plan and prepare meals, and information about the nutritional and health benefits of minimizing processed and prepared food and prepackaged/prepared meals from one's diet. These courses not only build on the basic skills of food preparation but also address financial considerations and recipe conversion to make foods healthier. Some courses place a heavier emphasis on a balanced diet, while others concentrate on specific types of food preparation (such as low sodium, low fat, or increased whole foods). These courses will also address current issues such as organic foods and vegan cooking.

**COURSE:** **Culinary Arts**  
**COURSE LENGTH:** 1 Semester (Spring)  
**COURSE TYPE:** Elective  
**PREREQUISITES:** Advanced Foods  
**GRADE AVAILABILITY:** 12  
**COURSE DESCRIPTION:**

Limited to seniors who have satisfactorily completed Advanced Foods or by teacher approval. Culinary Arts is a lab-based class for students to plan, purchase, prepare and present foods for personal and public events. Students will learn hospitality skills, etiquette, food presentation, and entrepreneurial skills related to the restaurant industry as they plan and prepare foods. Students in Culinary Arts will manage the Take N Bake unit.

**SCED Code 19252 Food Preparation and Health Management**

Formerly known as food and Nutrition, Food Preparation and Health Management courses provide students with an understanding of food's role in society, instruction in how to plan and prepare meals, and information about the nutritional and health benefits of minimizing processed and prepared food and prepackaged/prepared meals from one's diet. These courses not only build on the basic skills of food preparation but also address financial considerations and recipe conversion to make foods healthier. Some courses place a heavier emphasis on a balanced diet, while others concentrate on specific types of food preparation (such as low sodium, low fat, or increased whole foods). These courses will also address current issues such as organic foods and vegan cooking.

**COURSE:** **Personal and Family Relationships**  
**COURSE LENGTH:** One Semester (Fall)  
**COURSE TYPE:** Elective  
**PREREQUISITES:** None  
**GRADE AVAILABILITY:** 11, 12  
**COURSE DESCRIPTION:**

Personal Family Relations is designed to encourage personal growth and strong relationships. Emphasis is on personal, family and, social relationships. Topics include understanding oneself, positive communication skills, developing relationships, friends, dating, love and infatuation, family crisis and personal loss. Students will also interact with residents of the Concord Care Center throughout the semester.

**SCED Code 19259 Family and Interpersonal Relationships**

Formerly known as Family Living, Family and Interpersonal Relationships courses emphasize building and maintaining healthy interpersonal relationships among family members and other members of society. These courses often emphasize (but are not limited to) topics such as the responsibilities of a family and wage earner, balancing a career and personal life, human sexuality and reproduction, marriage preparation, parenthood and the function of the family unit, the family life cycle, and life stages. They also cover topics related to stages of growth and social/dating practices.

<b>COURSE:</b>	<b>Child Development</b>
<b>COURSE LENGTH:</b>	One Semester (Spring)
<b>COURSE TYPE:</b>	Elective
<b>PREREQUISITES:</b>	None
<b>GRADE AVAILABILITY:</b>	10, 11, 12

**COURSE DESCRIPTION:**

Child Development is the study of human growth and development from conception to school age. This course helps students understand how children grow and change, what children need at each stage of development, guidance techniques, and to know what makes an individual the person they are. This is an important foundation for students interested in teaching, medical careers, or any career which puts one in contact with children. Students practice child care with infant simulators, observe early childhood programs and host a play day as a part of this course.

**SCED Code 19255 Child Development/Parenting**

Child Development/Parenting courses provide students with knowledge about family systems and relationships and information about how parents can address the physical, mental, emotional, and social growth and development of children from conception to adolescence. In addition, these courses help students discover how parents should respond to the various stages of childhood. Course content typically includes topics such as prenatal development and birth processes, responsibilities and difficulties of parenthood, family structures, societal and cultural influences, fundamentals of children's emotional and physical development, and the appropriate care of infants, toddlers, and young and school-aged children. These courses may also cover topics specific to teen parenting.

# INDUSTRIAL TECHNOLOGY EDUCATION

## GRADE

9	10	11	12	Course Name	Course Length	Semester Offered	Credits	Prerequisite
X	X	X	X	Introduction to Drafting & Design	1 Semester	Fall-Spring	1	None
X (S2)	X	X	X	Industrial Design, Layout & Assembly 1	1 Semester	Fall-Spring	1	Introduction to Drafting & Design
	X	X	X	Industrial Design, Layout & Assembly 2	1 Semester	Fall-Spring	1	Industrial Design, Layout & Assembly 1
	X	X	X	Industrial Design, Layout & Assembly 3	1 Semester	Spring	1	Industrial Design, Layout & Assembly 1 & 2
X	X	X	X	Beginning Woods	1 Semester	Fall-Spring	1	None
	X	X	X	Advanced Woods	1 Semester	Fall-Spring	1	Beginning Woods & Introduction to Drafting
X	X	X	X	Beginning Metals	1 Semester	Fall-Spring	1	None
	X	X	X	Advanced Metals	1 Semester	Fall-Spring	1	Beginning Metals & Introduction to Drafting
		X	X	Power Mechanics	1 Semester	Spring	1	Introduction to Drafting & Design
		X	X	Equipment Refinishing	1 Semester	Fall	1	Beginning Metals & Intro to Drafting
		X	X	Beginning Manufacturing	1 Semester	Spring	1	Advanced Metals
		X	X	Beginning Carpentry	1 Semester	Fall	1	Advanced Woods

## **INDUSTRIAL TECHNOLOGY EDUCATION**

### **COURSE: Introduction to Drafting and Design**

COURSE LENGTH: One Semester (Either)

COURSE TYPE: Elective

PREREQUISITES: None

GRADE AVAILABILITY: 9,10,11,12

#### **COURSE DESCRIPTION:**

Introduction to Drafting and Design provides instruction in basic drafting, and Solid Works techniques. This course has been designed to make drafting meaningful and challenging to the student. In drafting, the student will spend time on: drafting equipment, vocabulary terms, careers (real-world examples), lettering, dimensioning, orthographic drawings, and isometric drawings. Also, through the course of the semester the student will be exposed to our CAD program (SolidWorks) in which the student will create detailed 3-D images and assemblies.

#### **SCED Code 21101 Drafting Careers Exploration**

Geared for students with an interest in careers that use drafting skills and applications, Drafting Careers Exploration courses expose students to the opportunities available for draftspeople (engineering, architectural, industrial, and so on). These courses serve to introduce basic skills and the field in general, providing students with the opportunity to identify a focus for continued study or to determine that their interests lie elsewhere.

### **COURSE: Industrial Design, Layout, and Assembly 1 (CAD)**

COURSE LENGTH: One Semester (Either)

COURSE TYPE: Elective

PREREQUISITES: Introduction to Drafting & Design

GRADE AVAILABILITY: 9 (2<sup>nd</sup> Sem), 10, 11, 12

#### **COURSE DESCRIPTION:**

This class is geared for students ranging from freshman to seniors. With the experience of drafting, students will be able to maximize their proficiency in this course. Throughout this course students will become familiar with a variety of CAD software and equipment available in industry. Students will make simple projects using the plasma cam and vinyl cutter. Students will also learn how to use more advanced features available in the SolidWorks software.

#### **SCED Code 21107 CAD Design and Software**

Frequently offered as an intermediary step to more advanced drafting courses (or as a concurrent course), CAD Design and Software courses introduce students to the computer-aided drafting systems available in the industry.

### **COURSE: Industrial Design, Layout, and Assembly 2 (CAD)**

COURSE LENGTH: One Semester (Either)

COURSE TYPE: Elective

PREREQUISITES: Industrial Design, Layout & Design

GRADE AVAILABILITY: 10, 11, 12

#### **COURSE DESCRIPTION:**

This course continues to work with the utilization of various CAD software, which will aid students in the design, layout, and assembly of various projects. Throughout the course, the student will be expected to think at a higher level pertaining to items such as assembly of parts, and the final design. Another key area will be related to the design of the school house for the following school year using "Chief Architect" program. Once the house is designed, students will use the laser engraver/cutter to construct a model of the house they designed.

#### **SCED Code 21107 CAD Design and Software**

Frequently offered as an intermediary step to more advanced drafting courses (or as a concurrent course), CAD Design and Software courses introduce students to the computer-aided drafting systems available in the industry.

**COURSE: Industrial Design, Layout, and Assembly 3 (CAD)**

COURSE LENGTH: One Semester (Spring)

COURSE TYPE: Elective

PREREQUISITES: Industrial Design, Layout & Design 1 & 2

GRADE AVAILABILITY: 10, 11, 12

COURSE DESCRIPTION:

This course continues to work with the utilization of various CAD software, which will aid students in the design, layout, and assembly of various projects. Throughout the course, the student will be expected to think at a higher level pertaining to items such as assembly of parts, and the final design. Another key area will be related to the design of the school house for the following school year using "Chief Architect" program. Once the house is designed, students will use the laser engraver/cutter to construct a model of the house they designed.

**SCED Code 21107 CAD Design and Software**

Frequently offered as an intermediary step to more advanced drafting courses (or as a concurrent course), CAD Design and Software courses introduce students to the computer-aided drafting systems available in the industry.

**COURSE: Beginning Woods**

COURSE LENGTH: One Semester (Either)

COURSE TYPE: Elective

PREREQUISITES: None

GRADE AVAILABILITY: 9-12

COURSE DESCRIPTION:

Beginning Woods is designed to assist the student in learning the fundamentals of working safely and efficiently with basic power tools. In addition, the student will become familiar with the different types of woods and basic joinery. Required projects as well as student-selected projects will be made.

**SCED Code 17006 Woodworking**

Woodworking courses introduce students to the various kinds of woods used in industry and offer experience in using selected woodworking tools. Students design and construct one or more projects and may prepare a bill of materials. Correct and safe use of tools and equipment is emphasized. As students advance, they focus on learning the terminology necessary to use power tools successfully, developing skills to safely use these tools in the workshop and becoming familiar with various kinds of wood-finishing materials. Advanced students typically design a project, prepare bills of materials, construct, and finish proposed projects.

**COURSE: Advanced Woods**

COURSE LENGTH: One Semester (Either)

COURSE TYPE: Elective

PREREQUISITES: Beginning Woods, Introduction to Drafting/Design

GRADE AVAILABILITY: 10-12

COURSE DESCRIPTION:

Advanced Woods will continue to cover the area of machine woodworking. Time will be spent on machine operations and safety, furniture design and construction, as well as advanced joinery, turning on the lathe, and finishing. Required exercises and student-selected projects will be made – maximum 12 per section.

**SCED Code 17006 Woodworking**

Woodworking courses introduce students to the various kinds of woods used in industry and offer experience in using selected woodworking tools. Students design and construct one or more projects and may prepare a bill of materials. Correct and safe use of tools and equipment is emphasized. As students advance, they focus on learning the terminology necessary to use power tools successfully, developing skills to safely use these tools in the workshop and becoming familiar with various kinds of wood-finishing materials. Advanced students typically design a project, prepare bills of materials, construct, and finish proposed projects.

**COURSE: Beginning Metals**

Course Length: One Semester (Either)

Course Type: Elective

Prerequisites: None

Grades 9-12

**COURSE DESCRIPTION:**

Students will learn the safe use of hand tools used in metalworking. Time will be spent studying safety, hand tools, sheet metal work, arc welding, MIG welding, oxy-acetylene welding cutting and brazing. There will be required exercises in each area. One local plant or supplier tour will be scheduled during the semester to allow students to see local opportunities in the metal working field.

**SCED Code 13202 Metalworking**

Metalworking courses introduce students to the qualities and applications of various metals and the tools used to manipulate and form metal into products. Through one or more projects involving metals, students develop planning, layout, and measurement skills; gain experience in cutting, bending, forging, casting, and/or welding metal; complete projects according to blueprints or other specifications; and may also learn to polish and finish metals. Correct use of metalworking tools and equipment is stressed.

**COURSE: Advanced Metals**

Course Length: One Semester (Either)

Course Type: Elective

Prerequisites: Beginning Metals and Introduction To Drafting & Design

Grades 10-12

**COURSE DESCRIPTION:**

Students will study the various machines used in the metal shop. Time will be spent on the safe and efficient operation of these machines. Areas to be covered will be foundry, forging, heat treatment, machine work, Aluminum MIG welding and TIG welding. Basic metal exercises and selected projects will be done. Students will have some choice of individual projects that will be completed during the semester.

**SCED Code 13202 Metalworking**

Metalworking courses introduce students to the qualities and applications of various metals and the tools used to manipulate and form metal into products. Through one or more projects involving metals, students develop planning, layout, and measurement skills; gain experience in cutting, bending, forging, casting, and/or welding metal; complete projects according to blueprints or other specifications; and may also learn to polish and finish metals. Correct use of metalworking tools and equipment is stressed.

**COURSE: Power Mechanics**

COURSE LENGTH: One Semester (Spring)

COURSE TYPE: Elective

PREREQUISITES: Introduction to Drafting and Design

GRADE AVAILABILITY: 11, 12

**COURSE DESCRIPTION:**

This course will provide approximately nine weeks of study on gas engines. The function, tear-down and rebuilding procedures will be covered. Students work in groups of two always with the same partner in each section. The second nine weeks consists of auto tune-up, trouble shooting, maintenance and winterizing. Basic automobile care will be covered. This course is open to senior boys and girls and also juniors who have been approved to participate in the NIACC ACADEMY program. We cover overhauling, parts, functions, disassembly and assembly, brakes, alternators, starters, carburetors, lubrication and more. Projects for the semester will be to rebuild a car, tractor or truck (2 or 3 students per group) and to have it running upon completion of the semester.

**SCED Code 20102 Power and Mechanics**

Power and Mechanics courses enable students to understand the principles underlying various kinds of mechanics (aircraft, auto, diesel, and marine) and how energy is converted, transmitted, and controlled. Topics typically include maintaining and servicing machines, engines, and devices while emphasizing energy sources, electricity, and power transmission. The courses may also provide information on career opportunities within the field of mechanics and/or transportation.

**COURSE: Equipment Refinishing**

COURSE LENGTH: One Semester (Fall)

COURSE TYPE: Elective

PREREQUISITES: Intro. To Drafting & Design and Beginning Metals

GRADE AVAILABILITY: 11, 12

**COURSE DESCRIPTION:**

This course will provide students with general knowledge of auto body. The students will cover units in body shop operation, auto body shop safety practices, and they will have time to either work on their own or school projects. The students will learn about surface preparation on different materials. They will learn about refinishing materials, they will learn how to apply different finishing materials. We will also have the unit on custom painting and body designs. We will discuss different careers opportunities in the auto body field.

**SCED Code 20116 Automotive Body Repair and Refinishing—Comprehensive**

Automotive Body Repair and Refinishing courses provide students with knowledge and skills regarding the repair and refinishing of damaged or used cars. Course content may include (but is not limited to) stretching and shrinking auto body sheet metal; welding skills; frame and metal straightening; repair of fiberglass and synthetic materials; removing, repairing, and installing auto body parts such as panels, hoods, doors, and windows/glass; preparing vehicles and vehicle surfaces for refinishing; painting; applying body fillers; and estimating material and labor costs.

**COURSE: Beginning Manufacturing**

COURSE LENGTH: One Semester (2<sup>nd</sup> Semester)

COURSE TYPE: Elective

PREREQUISITES: Advanced Metals

GRADE AVAILABILITY: 11, 12

**COURSE DESCRIPTION:**

Beginning Manufacturing is an introductory course to manufacturing practices and principles. Students will be introduced to various methods used to process and transform materials. Process techniques covered include: forming, separating, assembling and finishing. Other topics will include management techniques in planning, organizing and controlling various segments of the manufacturing process including design, engineering, production, and marketing. This course will help prepare students for dual enrollment or post-secondary trades courses or work experiences.

**SCED Code 13002 Manufacturing—Comprehensive**

Manufacturing—Comprehensive courses introduce students to various methods used to process and transform materials. Processing techniques covered usually include casting, forming, separating, assembling, and finishing. The courses may also include an overview of management techniques in planning, organizing, and controlling various segments of the manufacturing process, including design, engineering, production, and marketing.

**COURSE: Beginning Carpentry**

COURSE LENGTH: One Semester (1<sup>st</sup> Semester)

COURSE TYPE: Elective

PREREQUISITES: Advanced Woods

GRADE AVAILABILITY: 11, 12

**COURSE DESCRIPTION:**

Students will be introduced to common carpentry tools, materials, and practices throughout this class. Students will work on small scale projects as they are introduced to basic carpentry philosophies. This course will help prepare students for dual enrollment or post-secondary trades courses or work experiences.

**SCED Code 17004 Framing Carpentry**

Framing Carpentry courses provide students with much of the same knowledge as general carpentry courses (knowledge of various types and grades of woods, proper and safe use of hand and power tools, and site selection and preparation), but place a special emphasis on construction methods applicable to floor, wall, roof, and or stair framing. Course content may also include insulation installation and painting.



## CREATIVE & FINE ARTS

### GRADE

9	10	11	12	Course Name	Course Length	Semester Offered	Credits	Prerequisite
X	X	X	X	Foundations of Art 1	1 Semester	Fall	1	None
X	X	X	X	Foundations of Art 2	1 Semester	Spring	1	None
	X	X	X	Creative Drawing	1 Semester	Fall	1	Foundations of Art 2
	X	X	X	Ceramics	1 Semester	Spring	1	Foundations of Art 1 or 2 or a Senior
	X	X	X	Painting	1 Semester	Spring	1	Creative Drawing
	X	X	X	Sculpture	1 Semester	Fall	1	Foundations of Art 1 or 2
		X	X	Photography	1 Semester	Spring	1	Junior or Senior (Graphic Design)
		X	X	Graphic Design	1 Semester	Fall	1	Junior or Senior
		X	X	Art Portfolio	1 Semester	Spring	1	Foundations of Art 1 or 2, Creative Drawing & Painting

## CREATIVE & FINE ARTS

**COURSE:** Foundations of Art 1  
**COURSE LENGTH:** One Semester (Fall)  
**COURSE TYPE:** Elective  
**PREREQUISITES:** None  
**GRADE AVAILABILITY:** 9-12  
**COURSE DESCRIPTION:**

This course is a semester course that provides the best learning when taken in sequence. The semester involves basic introduction to the elements and principles of design while exploring different types of media. This course is open to all students without prerequisite.

### **SCED Code 05154 Creative Art—Comprehensive**

Creative Art—Comprehensive courses provide students with the knowledge and opportunity to explore an art form and to create individual works of art. These courses may also provide a discussion and exploration of career opportunities in the art world. Initial courses cover the language, materials, and processes of a particular art form and the design elements and principles supporting a work of art. As students advance and become more adept, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic styles. Although Creative Art courses focus on creation, they may also include the study of major artists, art movements, and styles.

**COURSE:** Foundations of Art 2  
**COURSE LENGTH:** One Semester (Spring)  
**COURSE TYPE:** Elective  
**PREREQUISITES:** None  
**GRADE AVAILABILITY:** 9-12  
**COURSE DESCRIPTION:**

This course is a semester course that provides the best learning when taken in sequence. The semester involves use of media while exploring art history and careers in the arts. This course is open to all students without prerequisite.

### **SCED Code 05155 Creative Art—Drawing/Painting**

Creative Art—Drawing/Painting courses cover the same topics as Creative Art—Comprehensive courses, but focus on drawing and painting. In keeping with this attention on two-dimensional work, students typically work with several media (such as pen-and-ink, pencil, chalk, watercolor, tempera, oils, acrylics, and so on), but some courses may focus on only one medium.

**COURSE:** Creative Drawing  
**COURSE LENGTH:** One Semester (Fall)  
**COURSE TYPE:** Elective  
**PREREQUISITES:** Foundations of Art 2  
**GRADE AVAILABILITY:** 10-12  
**COURSE DESCRIPTION:**

This first semester course is available to students who have successfully completed both semesters of Foundations of Art. Learn the psychology of drawing using the right side of your brain. Find out what drawing methods work best for you while exploring contour, still life, figures, and perspective drawing.

### **SCED Code 05156 Creative Art—Drawing**

Creative Art—Drawing courses cover the same topics as Creative Art—Drawing/Painting, but focus on drawing. In keeping with this attention on two-dimensional work, students typically work with several media (such as pen-and-ink, pencil, chalk, and so on), but some courses may focus on only one medium.

**COURSE:** **Ceramics**  
**COURSE LENGTH:** One Semester (Spring)  
**COURSE TYPE:** Elective  
**PREREQUISITES:** Foundations of Art 1 or 2 (except for graduating seniors)  
**GRADE AVAILABILITY:** 10-12

**COURSE DESCRIPTION:**

This second semester course involves the study of clay and its properties. Students will learn hand building methods such as pinch, coil, drape, and slab construction. Students will also experience throwing pottery on the wheel and the use of an extruder. Students will learn and choose from various methods of applying color.

**SCED Code 05159 Creative Art—Sculpture**

Creative Art—Sculpture courses cover the same topics as Creative Art—Comprehensive courses, but focus on creating three-dimensional works. Students typically work with several media (such as clay, ceramics, wood, metals, textiles, and so on), but some courses may focus on only one medium.

**COURSE:** **Painting**  
**COURSE LENGTH:** One Semester (Spring)  
**COURSE TYPE:** Elective  
**PREREQUISITES:** Creative Drawing  
**GRADE AVAILABILITY:** 10-12

**COURSE DESCRIPTION:**

This second semester course requires Creative Drawing as a prerequisite. Painting is explored as a means of communication while students learn about the media of watercolor, acrylic, and pastel painting. Color theory is covered as well as different media tricks and techniques.

**SCED Code 05157 Creative Art—Painting**

Creative Art—Painting courses cover the same topics as Creative Art—Drawing/Painting, but focus on painting. In keeping with this attention on two-dimensional work, students typically work with several media (such as watercolor, tempera, acrylics, and so on), but some courses may focus on only one medium.

**COURSE:** **Graphic Design**  
**COURSE LENGTH:** One Semester (Fall)  
**COURSE TYPE:** Elective  
**PREREQUISITES:** Junior or Senior  
**GRADE AVAILABILITY:** 11-12

**COURSE DESCRIPTION:**

This semester course will concentrate on the fast growing field of commercial art. Students will work with Adobe Photoshop CS5 to create the type of art that we are bombarded with in our everyday lives.

**SCED Code 05162 Graphic Design**

Graphic Design courses emphasize design elements and principles in the purposeful arrangement of images and text to communicate a message. They focus on creating art products such as advertisements, product designs, and identity symbols. Graphic Design courses may investigate the computer's influence on and role in creating contemporary designs and provide a cultural and historical study of master design works of different periods and styles.

**COURSE:** **Sculpture**  
**COURSE LENGTH:** One Semester (Fall)  
**COURSE TYPE:** Elective  
**PREREQUISITES:** Foundations of Art 1 or 2  
**GRADE AVAILABILITY:** 10-12

**COURSE DESCRIPTION:**

The first semester course requires Foundations of Art as a prerequisite. Sculpture explores the concepts of form and balance while creating three-dimensional works of art.

A variety of media will be explored including clay, wire, wood, paper mache', plaster, and found objects. Students will learn about various sculptors and their work.

**SCED Code 05158 Creative Art—Sculpture**

Creative Art—Sculpture courses cover the same topics as Creative Art—Comprehensive courses, but focus on creating three-dimensional works. Students typically work with several media (such as clay, ceramics, wood, metals, textiles, and so on), but some courses may focus on only one medium.

<b>COURSE:</b>	<b>Photography</b>
<b>COURSE LENGTH:</b>	One Semester (Spring)
<b>COURSE TYPE:</b>	Elective
<b>PREREQUISITES:</b>	Junior or Senior (Graphic Design)
<b>GRADE AVAILABILITY:</b>	11, 12

**COURSE DESCRIPTION:**

The first semester course will cover how cameras work and how to produce better pictures using photographic elements of composition. The development of photography and how it has affected our history will also be covered. Students must have access to a digital camera or cell phone camera to use.

**SCED Code 05167 Photography**

Photography courses expose students to the materials, processes, and artistic techniques of taking artistic photographs. Students learn about the operation of a camera, composition, lighting techniques, filters, and camera angles. The course may cover black-and-white photography, color photography, or both. As students advance, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic style. These courses may also cover major photographers, art movements, styles, and careers in photography.

<b>COURSE:</b>	<b>Art Portfolio</b>
<b>COURSE LENGTH:</b>	One Semester (Spring)
<b>COURSE TYPE:</b>	Elective
<b>PREREQUISITES:</b>	Foundations of Art 1 or 2, Creative Drawing & Painting
<b>GRADE AVAILABILITY:</b>	11, 12

**COURSE DESCRIPTION:**

An upper level course designed for the student who wishes to further develop skills and techniques that were introduced in previous drawing and painting courses. This is a desirable course for any student wishing to develop a portfolio for college. Students will be continually encouraged to expand their creative ideas as well as their technical potential.

**SCED Code 05170 Art Portfolio**

Art Portfolio courses offer students the opportunity to create a professional body of work that reflects their personal style and talent. Students are often encouraged to display their work publicly.

# VOCAL MUSIC

## GRADE

9	10	11	12	Course Name	Course Length	Semester Offered	Credits	Prerequisite
X	X	X	X	Vocal Music	1 Year	Fall –Spring	1	None

## VOCAL MUSIC

### COURSE:

### Vocal Music

### COURSE LENGTH:

One Year

### COURSE TYPE:

Elective

### PREREQUISITES:

None

### GRADE AVAILABILITY:

9-12

### COURSE DESCRIPTION:

The GHV HS Vocal Music program is divided into two large performing groups: Concert Choir (includes juniors and seniors and meets daily) and Mixed Chorus (includes freshmen and sophomores and meets daily). Students in these groups are required to attend scheduled lessons and various concerts during the year.

In addition, there is an extra-curricular, select group. Impulse, a Vocal Jazz Choir, meets before school and performs at various concerts and added programs and contests. Special auditions are conducted to identify participants. (Students enrolled in Mixed or Concert Choir).

In the fall, a big emphasis is put on All-State auditions. Seven mixed quartets may audition from any school. If students are selected, they spend a weekend in Ames rehearsing and performing in the honor choir. The music used in the audition is extremely difficult. Those students who are willing to spend many hours on the music are encouraged to audition.

In the spring, a large amount of the work centers on preparation for solo/ensemble contests. Many small ensembles and soloists compete in this event with rehearsals arranged before and after school.

Several students will be selected throughout the year to attend various choir festivals. This gives students a chance to hear other singers and performing groups from various colleges and high schools. Students also have the opportunity to sing with other vocalists in a mass choir and have other choral director's work with them. Every four years there is a trip planned.

### **SCED 05110 Chorus**

Chorus courses provide the opportunity to sing a variety of choral literature styles for men's and/or women's voices and are designed to develop vocal techniques and the ability to sing parts.

### **SCED Code 05111 Vocal Ensembles**

Vocal Ensemble courses are intended to develop vocal techniques and the ability to sing parts in small ensemble or madrigal groups. Course goals may include the development of solo singing ability and may emphasize one or several ensemble literature styles.

# INSTRUMENTAL MUSIC

## GRADE

9	10	11	12	Course Name	Course Length	Semester Offered	Credits	Prerequisite
X	X	X	X	Instrumental Music	1 Year	Fall–Spring	1	None

## INSTRUMENTAL MUSIC

### COURSE:

**Instrumental Music**

**Marching Band, Concert Band, Jazz Band, Pep Band**

### COURSE LENGTH:

One Year

### COURSE TYPE:

Elective

### CREDIT:

½ credit per semester completed

### GRADE AVAILABILITY:

9-12

**PREREQUISITES:** Membership in the instrumental music department, concert band, and marching band. Members study and perform with instruments traditionally used in marching and concert band literature. Attendance at all practices and performances is mandatory

### COURSE DESCRIPTION:

The instrumental music department consists of various performing groups including concert band and marching band and other groups formed from the members of these two groups.

During the fall season, the **marching band** holds a minimum of three required practices before the beginning of the first quarter of classes. Attendance is required at one morning rehearsal each week at 7:15 a.m. during the entire marching season. Additional morning rehearsals required for Percussion. The marching band requires attendance at each home football game performance and at two marching festivals/competitions.

At the conclusion of the marching season, **concert band** begins and meets daily throughout each six-day cycle performing with traditional concert band instruments. Sectionals have been held one day per cycle. The concert band offers four concerts per year as well as performing in the state large group contest. Membership in the concert band also includes opportunities to perform a solo and/or perform in a small ensemble at the state music contest.

Each year at the close of the marching band season a **jazz ensemble** is formed which is made up of members of the marching and concert bands. The ensemble uses traditional jazz instrumentation (5 saxes, 4 trombones, 5 trumpets, bass, set percussion, and piano). The members are selected by the director and auditions will be held for chair placement according to need and interest.

The jazz ensemble meets on Monday and Wednesday mornings. The jazz ensemble presents four concerts, and performs in 2-3 jazz festivals each year. Attendance at all rehearsals and performances is mandatory and expected.

Each year **two pep bands** are formed from the membership of the concert band using traditional marching and concert band instruments. The pep bands perform at a stated minimum number (8) of home basketball games.

Every four years an **instrumental music trip** is planned. Students and parents are encouraged to plan financially for this travel opportunity.

### SCED Code 05101 General Band

General Band courses develop students' technique for playing brass, woodwind, and percussion instruments and cover a variety of non-specified band literature styles (concert, marching, orchestral, and modern styles).

## HEALTH AND PHYSICAL EDUCATION

### GRADE

9	10	11	12	Course Name	Course Length	Semester Offered	Credits	Prerequisite
X				Health/CPR	1 Semester	Fall or Spring	1	None
		X	X	Advanced Health	1 Semester	Spring	1	Health
X	X	X	X	Physical Education	1 Year	Fall-Spring	½ Per Semester	None
X	X	X	X	Strength Training Physical Education	1 Year	Fall-Spring	½ Per Semester	None

## HEALTH & PHYSICAL EDUCATION

**COURSE:** **Health/CPR**  
**COURSE LENGTH:** One Semester (Either)  
**COURSE TYPE:** Required  
**PREREQUISITES:** None  
**GRADE AVAILABILITY:** 9  
**COURSE DESCRIPTION:**

Each student will successfully complete one semester of health during the freshman year. The course consists of health units including wellness improvement, body image issues, nutrition, emotional health, social health and relationships, diseases, drugs, consumer health and CPR/first aid. CPR certification is available to students. Students will also become aware of current trends in health as they pertain to themselves, their community, country and the world. It is the intent of the course to give a knowledge base on health issues to enable them each to make wise, healthy decisions.

### **SCED Code 08051 Health Education**

Topics covered within Health Education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. The courses may also include brief studies of environmental health, personal development, and/or community resources.

**COURSE:** **Advanced Health**  
**COURSE LENGTH:** One Semester (Spring)  
**COURSE TYPE:** Elective  
**PREREQUISITES:** Health  
**GRADE AVAILABILITY:** 11, 12  
**COURSE DESCRIPTION:**

This course consists of in-depth health issues that surround our society today, including healthy relationships, nutrition and diet myths, personal health, medical terms, and sex education.

### **SCED Code 08051 Health Education**

Topics covered within Health Education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. The courses may also include brief studies of environmental health, personal development, and/or community resources.

**COURSE:** **Physical Education**  
**COURSE LENGTH:** One Year  
**COURSE TYPE:** Required  
**PREREQUISITES:** None  
**GRADE AVAILABILITY:** 9-12

### **COURSE DESCRIPTION:**

The philosophy of physical education is to target all students and offer to them a wide variety of activities and various types of exercise. This will enable them to find a type that they will do for their lifetime exercise. Throughout the physical education classes, the students work to increase their personal level of fitness. This combination gives them the opportunity to exercise for their present health as well as plan for their future well-being and fitness. Freshman/sophomore classes meet on days 1-3-5 and juniors/senior classes meet on 2-4-6. A wide range of units are offered including things such as aerobic conditioning, badminton, basketball, cardiovascular games, flag football, ultimate football, personal fitness and conditioning, volleyball, soccer, softball, and cross training. Mini lessons are also taught to expose them to many forms of exercise. Some of these include tumbling, juggling, line dancing, Plyometric training and agility training. Each year there is a unit involving teamwork, sportsmanship, and positive



communication. An example of this is a Survivor unit in which teammates work together to master challenges. This gives the students the opportunity to build character skills in a social setting. Each Wednesday is designated as Workout Wednesday. On these days some sort of total body fitness or cross training is taught. They have a workout for the day, but also have a workout that they can add to their list for the future.

**SCED Code 08001 Physical Education**

Physical Education courses provide students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, and fitness/conditioning activities.

<b>COURSE:</b>	<b>Strength Training Physical Education</b>
<b>COURSE LENGTH:</b>	One Year
<b>COURSE TYPE:</b>	Required
<b>PREREQUISITES:</b>	None
<b>GRADE AVAILABILITY:</b>	9-12

**Course Description:**

Strength training PE is an option offered all for GHV students. They may take it for one or both semesters. The goal of the strength training class is to acclimate students to using a wide variety of lifting techniques and methods for strength and conditioning. They will learn proper technique, learn to avoid injuries and be able to enhance their human performance for general life wellness and/or for athletics. Students will track and monitor their progress in regards to strength, fitness standards and their own personal goals.

**SCED Code 08009 Weight Training**

Weight Training courses help students develop knowledge and skills with free weights and universal stations while emphasizing safety and proper body positioning; they may include other components such as anatomy and conditioning.

## SPECIAL PROGRAMS

### GRADE

9	10	11	12	Course Name	Course Length	Semester Offered	Credits	Prerequisite
X	X	X	X	TAG	1 Semester	Fall-Spring	1-every day .5 every other day	See Below for Complete Qualifications
X	X	X	X	Mock Trial	1 Semester	Spring	1	None
			X	Student Work/Intern Programs	1 Year	Fall-Spring	None	Principal Approval
			X	NIACC Career Link Programs	1 Year	Fall-Spring	Varies	Varies
	X	X	X	Work Experience	1 Semester	Fall or Spring	Varies	Principal Approval
			X	Cadet Teaching	1 <sup>st</sup> or 2 <sup>nd</sup> Semester Upon Approval*	Fall or Spring	1	Psychology and Child Development
					*Attendance is considered for eligibility for Cadet Teaching			
		X	X	Advanced Academics	Semester	Fall or Spring	1 Each Semester	See Below for Complete Qualifications

## **SPECIAL PROGRAMS**

**COURSE:**

**COURSE LENGTH:**

**COURSE TYPE:**

**PREREQUISITES:**

### **T.A.G. (Talented & Gifted)**

One Semester (Fall-Spring)

Elective

Must meet TAG qualifications and complete a Student Nomination Form

prior to registration. Selection of students will be determined by multiple criteria including: Two teacher nominations, minimum GPA of 3.7, ISASP scores. Students seeking a nomination in a non-academic area such as music, art, etc. will be required to submit: 1) Talented and Gifted Teacher Nomination for Superior Artistic/Musical Ability. This would be completed by the art/music teacher; and 2) A product displaying the artistic/music talent. Students must complete a nomination form each year they wish to participate in the program.

9-12

**GRADE AVAILABILITY:**

#### **COURSE DESCRIPTION:**

Identified students will produce self-directed learning projects focusing on a subject area, career, or new skill of interest to them. They will apply critical and creative thinking, research, and communication, as evidenced by the development

of innovative products that reflect individuality and creativity. Students will be required to keep daily progress notes and give a final presentation during the course of each quarter.

**Student Nomination Form:** The Iowa Code states that gifted students must meet multiple criteria in order to be admitted into a gifted program. The Code also states that in the event that the number of eligible students exceeds the available openings, participants shall be selected according to the extent to which they can benefit from the program. With that being said, students wanting to enroll in a high school TAG class must submit the following: 1) Current GPA; 2) Most recent Iowa Assessment scores; 3) Teacher nomination form; and 4) Self-nomination form.

#### **SCED 22106 Seminar**

Seminar courses vary widely, but typically offer a small peer group the opportunity to investigate areas of interest. Course objectives may include improvement of research and investigatory skills, presentation skills, interpersonal skills, group process skills, and problem-solving and critical-thinking skills. Seminars aimed at juniors and seniors often include a college and career exploration and planning component.

**COURSE:**

**COURSE LENGTH:**

**COURSE TYPE:**

**PREREQUISITES:**

**GRADE AVAILABILITY:**

#### **COURSE DESCRIPTION:**

### **Mock Trial**

One Semester (Spring)

Elective

None

9, 10, 11, 12

Students will learn how our adversarial system of justice operates by preparing for and conducting a mock trial at a regional competition. While preparing for competition, students will develop many skills that will be useful throughout their lives. These skills include persuasive public speaking, critical and analytical thinking, strategic and tactical planning, self-discipline, team collaboration, the use of computer organization and presentation software, active listening, critical reading, and brainstorming. Each team is composed of at least eight and no more than ten members. There are eight roles on each side of the case (four attorneys, three witnesses and one timekeeper) and each team must perform both sides of the case. Students must have instructor approval, which will focus on their English grades and input from English instructors.

#### **SCED Code 04165 Legal System**

Legal System courses examine the workings of the U.S. criminal and civil justice systems, including providing an understanding of civil and criminal law and the legal process, the structure and procedures of courts, and the role of various legal or judicial agencies. Although these courses emphasize the legal process, they may also cover the history and foundation of U.S. law (the Constitution, statutes, and precedents). Course content may also include contemporary problems in the criminal justice system.

**COURSE:** **Work Experience**  
**COURSE LENGTH:** One Semester (Either)  
**COURSE TYPE:** Elective  
**PREREQUISITES:** Principal/Instructor Approval  
**GRADE AVAILABILITY:** 9-12

**COURSE DESCRIPTION:**

This program is available to identified students who have met eligibility criteria. The intent of this program is to provide learning opportunities and training for job-seeking and job-keeping skills. The student goes to a workplace on a regularly-scheduled basis and the program is supervised by a work experience coordinator either through the school district or AEA 267.

**SCED Code 22153 Diversified Occupations**

Diversified Occupations courses help students enter the workforce through career exploration, job search and application, and the development of positive work attitudes and work-related skills. These courses typically cover such topics as career planning and selection, money management, communication skills, interpersonal business relationships and behaviors, and personal responsibility. Employment may be a required component of these courses, or students may be required to enroll concurrently in a work experience course.

**COURSE:** **Student Work Release/Internship Program**  
**COURSE LENGTH:** One Year  
**COURSE TYPE:** Elective  
**PREREQUISITES:** Principal/Instructor Approval  
**GRADE AVAILABILITY:** 12

**COURSE DESCRIPTION:**

The Work-Release Program is designed to combine part-time school work and part-time job experience enabling students to become more occupationally adequate in preparation for post-high school careers. Work Release is primarily intended for those students who will be terminating their education upon completion of high school, but does not exclude the student interested in additional vocational or technical programs. The general objectives will be as follows: To develop the basic academic skills necessary in functional daily living. To acquire practical background expected of adult citizens; To achieve self-acceptance and a sense of dependability within the community; To develop qualities of personality, character, and work habits necessary for employment; and To explore the world of work and develop economic usefulness. In order to participate, the student must have approval, in writing from the student's parents, approval of the employer stating the type of work involved, and approval of faculty and administration of the Garner-Hayfield-Ventura Community School District. Additional guidelines shall be established by the superintendent in cooperation with the board of education.

**COURSE:** **GHV HS/NIACC Cooperative Career Link Academy Programs**  
**COURSE LENGTH:** One Year  
**COURSE TYPE:** Elective  
**PREREQUISITES:** Drawing Boards contain many recommendations  
**GRADE AVAILABILITY:** 12

**COURSE DESCRIPTION:**

GHV HS has made a commitment to provide some unique opportunities for our senior students to earn specialized training and college credit by enrolling in Academy programs sponsored by GHV HS and NIACC. At this time, there are seven programs available: Entrepreneurial Academy (GHV), Health Careers Academy (Forest City), Information Technology (Forest City), Advanced Manufacturing (Forest City), Building Trades (Forest City), Tool & Die Technology (NIACC-Mason City), and Automotive Service Technology (NIACC-Mason City). Participating students attend the appropriate center in the morning and their "home" school in the afternoon. Students planning to pursue any of these programs are encouraged to collect information as sophomores and tailor

their high school courses, so they meet necessary requirements for respective programs. Individuals needing additional information are encouraged to contact either the high school principal or high school counselor.

Additional information about the NIACC Career Link Academies is on the following pages.

<b>COURSE:</b>	<b>Cadet Teaching (Semesters 1 or 2)</b>
<b>COURSE LENGTH:</b>	1 <sup>st</sup> or 2 <sup>nd</sup> Semester Upon Approval
<b>COURSE TYPE:</b>	Elective
<b>PREREQUISITES:</b>	Psychology & Child Development and Teacher Approval
<b>GRADE AVAILABILITY:</b>	12
<b><u>COURSE DESCRIPTION:</u></b>	

This course allows a student to get an introduction to the teaching profession and many of the dynamics involved in becoming a teacher. This program is designed to provide “on-site” learning opportunities for those students who have a desire to go into the education profession or related field. Hands-on experience working with teachers and students will be a major component of this course. Participation in this program requires approval and cooperation with a supervising teacher.

**SCED Code 19198 Education—Workplace Experience**

Education—Workplace Experience courses provide students with work experience in fields related to education. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

<b>COURSE:</b>	<b>Advanced Academics</b>
<b>COURSE LENGTH:</b>	1 Semester (Fall and Spring)
<b>COURSE TYPE:</b>	Elective
<b>PREREQUISITES:</b>	Must be a Junior or Senior. Minimum cumulative GPA of 3.3 or above. Must be proficient or advanced in the previous year’s ISASP English/Language Arts data. Must be in good academic standing in all classes. Must have good attendance with minimal absences. Principal and Counselor approval required.
<b>GRADE AVAILABILITY:</b>	11, 12

**COURSE DESCRIPTION:**

Students will be exposed to the demands and rigorous expectations of online college level courses. The course is free to the student so long as the student passes the class and does not withdraw. Students need to realize that college credit will be a part of their permanent college transcript and can affect their college cumulative GPA.

Students may choose from the following on-line NIACC courses (please refer to the NIACC website for a complete course description):

**PSY 111 Intro to Psychology – SCED Code 04254C-Psychology**

Psychology courses introduce students to the study of individual human behavior. Course content typically includes (but is not limited to) an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology.

**PSY 121 Developmental Psychology – SCED Code 04255C-Particular Topics in Psychology**

These courses examine a particular topic in psychology, such as human growth and development or personality, rather than provide a more comprehensive overview of the field.

**SOC 110 Intro to Sociology – SCED Code 04258C-Sociology**

Sociology courses introduce students to the study of human behavior in society. These courses provide an overview of sociology, generally including (but not limited to) topics such as social institutions and norms, socialization and social change, and the relationships among individuals and groups in society.

**BIO 152 Health and Nutrition – SCED Code 03063C-Particular Topics in Biology**

Particular Topics in Biology courses concentrate on a particular subtopic within the field of biology (such as botany, zoology, genetics, and so on) that is not otherwise described within this classification system.

**ANT 105 Cultural Anthropology – SCED Code 04252C-Particular Topics in Anthropology**

These courses examine a particular topic in anthropology, such as physical anthropology, cultural anthropology, or archeology, rather than provide a more comprehensive overview of the field.

**PHI 105 Intro to Ethics – SCED Code 0407C-Particular Topics in Philosophy**

These courses examine a particular topic in philosophy, such as aesthetic judgment, ethics, cosmology, or the philosophy of knowledge, rather than providing a more general overview of the subject.

**MUS 100 Music Appreciation – SCED Code 05116C-Music History/Appreciation**

Music History/Appreciation courses survey different musical styles and periods with the intent of increasing students' enjoyment of musical styles and/or developing their artistic or technical judgment. Music History/Appreciation courses may also focus on developing an understanding of a particular style or period.

**SOC 120 Marriage and Family – SCED Code 04259C-Particular Topics in Sociology**

These courses examine a particular topic in sociology, such as culture and society or the individual in society, rather than provide an overview of the field of sociology.

**HIS 151 U.S. History to 1877 (Seniors only) – SCED Code 04102C-Early U.S. History**

Early U.S. History courses examine the history of the United States from the colonial period to the Civil War or Reconstruction era (some courses end after this period). Some courses include American history before European settlement, while others may begin at the formation of the new nation. These courses typically include a historical overview of political, military, scientific, and social developments.

**HIS 152 U.S. History Since 1877 (Seniors only) – SCED Code 04103C-Modern U.S. History**

Modern U.S. History courses examine the history of the United States from the Civil War or Reconstruction era (some courses begin at a later period), through the present time. These courses typically include a historical review of political, military, scientific, and social developments.

**SPC 112 Fundamentals of Public Speaking – SCED Code 01151C-Public Speaking**

Students will study the theory and practice of public speaking as an intellectual tool for use in argumentation and persuasion in a democratic society. This course prepares the student for a variety of speaking situations, both formal and informal, with an emphasis on speech preparation, organization, support, delivery, and audience analysis.

**PEH 111 Personal Wellness - SCED Code 08052C – Health and Fitness**

Personal Wellness is an introductory course designed to explore the dimensions of wellness and prepare students for healthy, proactive lifestyles through lecture, experiential learning, and various physical and wellbeing activities. Students will assess their overall level of wellness,

apply skill-related knowledge linked to activities that promote active lifestyles, and explore the connections between the dimensions of wellness and overall quality of life.

**PHI 101 Introduction to Philosophy - SCED Code 04306C - Philosophy**

Introduces the student to the study of philosophy and teaches skills of critical thinking. The course examines the meaning and value of philosophy; human nature and the self, axiology-ethics and values (In search of the Good Life); social philosophy and art; epistemology – the nature of knowledge; truth; philosophy and religion; the meaning of suffering and death; examination of decision making and self-discovery.

**SOC 115 Social Problems - SCED Code 04259C – Particular Topics in Sociology**

An introduction to the study of contemporary social problems. The course examines how social problems are identified, explores underlying conditions and causes of social problems, and considers possible solutions and policy implications. Emphasis is on sociological and critical thinking frameworks. Topics of exploration include: mental illness, substance abuse, crime, prejudice and discrimination, prostitution, poverty, and more.

**CRJ 100 Intro to Criminal Justice - SCED Code 15051C – Criminal Justice**

Intro to Criminal Justice is a prerequisite for Criminal Law. This course examines the criminal justice system as a method of social control in the United States. This course also examines crime definitions, data collection and analysis, and the roles, rules and responsibilities of the law enforcement, the courts, and the correctional components of the criminal justice system in responding to crime.

**CRJ 130 Criminal Law – SCED Code 15057C – Criminal Law and Procedures**

This course reviews the historical development of criminal law and the means by which society attempts to use criminal law to prevent harm to society. Topics covered include crimes against persons; crimes against society; and public order crimes. Students also examine the defenses against various crimes.

**ECE 103 Intro to Early Childhood Education – SCED Code 19153C – Early Childhood Education**

This course gives students a historical and philosophical foundation of the field of early childhood education and includes an overview of assessment and evidence-based practices. The course addresses the influences of family centered practice, inclusion, culture, and language, and explores early childhood careers.

**ECE 170 Child Growth and Development – SCED Code 19052C – Child Development**

Reviews typical and atypical development of children from conception to adolescence in all developmental domains. Examines interactions between child, family and society within a variety of community and cultural contexts and how each impacts the developing child.

Examines theories and evidence-based practices associated with understanding and supporting young children.

## **Career Link: A Jump Start on College and the Future**

Career Link is a program which allows qualified students to earn a year of college career program credit while still in high school. This is made possible through a close cooperative relationship between Garner-Hayfield-Ventura High School and North Iowa Area Community College.

All tuition and textbook costs are paid through a combination of high school, NIACC, and state incentive funds. There is no cost to the student, except for transportation, and in some programs, tools. In some cases, the student can complete the first year of an associate degree career program by the end of his/her senior year.

Detailed course descriptions are available in the high school guidance office. The general catalog and student handbook from NIACC is also available on-line at [www.niacc.edu](http://www.niacc.edu).

### **Career Link Programs**

**Entrepreneurial Academy -- Garner-Hayfield-Ventura High School  
(2 periods)**

**Health Career -- Hanson Career Center (Forest City)**

**I.T. (Information Technology) -- Hanson Career Center (Forest City)**

**Building Trades -- Hanson Career Center (Forest City)**

**Advanced Manufacturing -- Hanson Career Center (Forest City)**

**Automotive Service Technology -- North Iowa Area Community College Campus**

**Tool & Die Technology -- North Iowa Area Community College Campus**

### **Program Benefits:**

The Career Link program has numerous advantages for students, not the least of which is the fact that they are prepared to enter the work force with skills that make them highly employable.

Students also:

- ☐ Save one year's time and one year's tuition/book costs.
- ☐ Receive dual credit for completed course work.
- ☐ Experience college success while still in high school.
- ☐ Ease transition to college.
- ☐ Enhance self-esteem and self-confidence.
- ☐ Develop career focus and strengthen skills.
- ☐ Achieve academic and personal goals.
- ☐ Get a head start on college and a career.



### **Making It Work:**

Normally, Career Link is started during the sophomore or junior year when students take required high school preparatory courses. Students also complete “articulated” classes, which are taught by their high school teachers. In other words, certain high school classes cover similar material as introductory college ones. If at least a “B” average is maintained in the high school course, it takes the place of the college one, thereby saving time and money.

During the senior year, students spend mornings taking college classes, and in the afternoon they attend classes at GHV HS to fulfill graduation requirements.

A NIACC School Partnership Coordinator works with Angie Bierle, GHV HS counselor, to maintain a close watch on student progress. NIACC instructors provide them with regular written progress reports on each student.

### **NIACC Academy - John V. Hanson Career Center**

Beginning in Fall of 2021, students from Forest City High School, GHV High School, Lake Mills High School, and North Iowa High School will have the opportunity to enroll in the John V. Hanson Career Center. The Career Center is located in Forest City and allows students to choose between four academies that can lead to good paying jobs in high demand fields. The four academies are Advanced Manufacturing, Construction Trades, Information Technology, and health careers. Students will earn college credit by enrolling in NIACC classes at the career Center. This comes at no cost to the student or their parents. Textbooks, tools, and equipment are also provided to the students. Don't miss out on this exciting opportunity!

#### **Program Description:**

**Advanced Manufacturing** - The advanced Manufacturing Academy exposes students to a wide variety of skills necessary to be successful in today's manufacturing workforce. Students will gain drafting and print reading skills as well as be given the opportunity to put design into practice with hands-on projects. Students completing the Advanced Manufacturing Academy will be ready to enter one of the NIACC manufacturing programs: Welding, Tool & Die, Industrial Mechanics and Maintenance, and Industrial Systems Technology. Students will also be better prepared for the NIACC HVAC, Automotive Technology, and Diesel Technology programs. Some students that attend the advanced Manufacturing Academy may choose to enter a manufacturing career right out of High school. Students will be able to explore manufacturing careers and receive college credit by taking NIACC Work Based Learning classes.

**Advanced Manufacturing Classes –**

- Skills and Safety in Industry
- Maintenance Shop Operations
- Machine Trade Print Reading I
- Exploring Careers
- Shielded Metal Arc Weld I
- Thermal Cutting Processes I
- Manual And Mechanized
- Oxyfuel Cutting: Sense I
- Gas Metal Arc Welding
- Short Circuit
- Computer Aided Drafting (CAD)
- Machine Trade Print Reading I
- Employability Skills

**Construction Trades** - The Construction Trades Academy prepares students for work in residential and commercial construction. Students will be exposed to extensive hands on learning by building actual construction projects. Students will also have lecture time where they will learn about safety, blueprint reading, and computer aided design. Students completing the Construction Trades, academy may chose to continue their education in the NIACC Building Trades program or directly enter the workforce.

**Construction Trades Classes –**

- Construction Safety
- Carpentry Fundamentals I
- Cabinetry and Millwork
- Blueprint Reading and Estimating
- Carpentry Fundamentals II
- Architectural CAD

**Information Technology** - The Information Technology Academy will introduce students to computer programming, networking components, and computer operating systems. Upon successful completion of the information Technology Academy, students are eligible for a Foundations of Technology Certificate. They may choose to continue their education in one of the NIACC information Technology Programs: Business Technology Specialization, Information Assurances and Security, or Information Technology Specialist.

**Information Technology Classes –**

- Introduction to Programming
- Network Essentials
- IT Essentials
- Windows Workstation O.S.
- Operating Systems
- Cisco Networking

**Health Careers –** The Health Careers Academy is for any student interested in pursuing a career in the health field. It combines practical hands-on classes with general education courses which makes it a good fit for any student. Some students that attend the Health careers Academy may enter the workforce after high school while others may pursue advanced degrees. The Health Careers Academy prepares students to enter the Associate Degree in Nursing program at NIACC. For students that are not sure which career in healthcare they want to study, an exploring careers class will be offered that will allow students to earn college credit while observing health occupations firsthand.

**Health Careers Classes–**

- Nurse Aide Theory
- Nurse Aide Clinical
- Composition I
- Exploring Careers
- Medical Terminology I
- Emergency Medical Responder
- Intro to Psychology
- Composition

**Grading Requirements:**

For NIACC's Licensed Practical Nurse program, students must attain a "C" grade in all nursing courses and at least a "C-" in related required courses. An overall 2.00 GPA in the prescribed curriculum and a minimum overall cumulative college grade point average of 2.00 is required for graduation from this program.

If a student wishes to seek application to NIACC's Associate Degree Nursing (RN) program, a cumulative GPA of 2.5 in the nursing courses must be attained, as well as a "C" grade in all support courses required for the Associate Degree Nursing program. Please refer to the NIACC catalog for specific entrance requirements.

Both male and female students are encouraged to participate in this Academy program.

Students interested in this program should contact their high school counselor or NIACC School Partnership Coordinator (1-888-466-4222, ext. 4164)

## Entrepreneurship & Small Business Management Academy

Location: Garner-Hayfield-Ventura High School  
School Partners: Garner-Hayfield-Ventura, West Hancock and Forest City  
Capacity: 20 students  
Year Established: 1999

### Program Description:

Within the Entrepreneurship and Small Business Management program, students will take a combination of classes in:

#### **First Semester:**

**ENG-105 Composition I (3 s.h.)** Improvement of skills in reading, writing, and listening with an emphasis on expository methods of development and personal experience as supporting material. Students may be requested to use word processors and the Writer's Workbench analyses programs, the Writer's Workbench STEPS programs, and the structuring sentences video series. Students must meet minimum competency requirements in writing to receive a grade of C or higher

**BUS-130 Introduction to Entrepreneurship (3 s.h.)** This course introduces the concept of Entrepreneurship beginning with identifying characteristics of the Entrepreneur, evaluating opportunities, feasibility, financing, and planning for success. Students will also understand the need for a contingency plan as well as an exit strategy

**BUS-122 Emerging Business Practices & Technologies(3 s.h.)** This is an introductory course designed to assist students in creating a simple, inexpensive technologies including a webpage for a new business or concept while applying basic marketing, advertising, and sales techniques that are targeted to Internet or electronic information and sales.

#### **Second Semester:**

**ENG-106 Composition II (3 s.h.)** Prerequisite: ENG-105, Composition I, or ENG-102, Composition & Speech I. Students must have earned a C or higher grade in Composition I or Composition & Speech I before enrolling in Composition II. A continuation of ENG-105 Composition I, with an emphasis on argumentative and persuasive writing, on research methods, and on language. Students may be requested to use word processors, Writer's Workbench analyses, Writer's Workbench STEPS, and sentence structuring videos.

**BUS-225 Business Internships (1 s.h.)** Business Internships is a learning experience which is: 1) based on practical work experience; 2) related directly to the student's program of study; 3) individualized to enable the student to gain valuable work experience and help determine career choices; and 4) geared to the student's academic knowledge, personal development and professional preparation. A minimum of 60 hours in the workplace is required. NOTE: Students customize their internship to meet individual learning needs; internships may be completed in one's own local community.

**BUS-152 Creating A Company (3 s.h.)** Developing and managing an entrepreneurial venture—bringing student business ideas to fruition and applying concepts from the Introduction to Entrepreneurship course. Students will experience the activities, emotions and tensions that are part of founding and/or joining a start-up company. Success will be determined by student initiative, perseverance, imagination, and energy. Students are required to identify real business customers and clients and take steps to deliver real services or products. This is a real-world experience, supplemented by classroom activities and sharing of lessons learned.

#### **BUS-161 Human Relations (3 s.h.)**

Human Relations is a course designed to improve the student's ability to function in the workplace. This class will work on increasing the student's self-awareness and improving their ability to get along with customers, coworkers, and supervisors *Equivalent to 15-241, BUSN-105.*

**\*\* Both male and female students are encouraged to participate in this program. \*\***

Students interested in this program should contact their high school counselor or NIACC School

## Tool and Die Technology

**Location:** North Iowa Area Community College Campus – Mason City

Tool and Die Technology is a five-semester Degree program which is a continuation of the General Machinist Diploma program. The Tool and Die Technology program builds upon the previous studies with an in-depth study of high-precision industrial dies and die components, progressive dies, and plastics industry molds. A portion of the program is devoted to producing computer-aided drawings (CAD) of molds and dies, and then using computer-aided manufacturing (CAM) software to generate computer numerical control (CNC) machine language. Students operate CNC machine tools to produce many of their second year projects. While taking MFG-408 Basic Die Making, students will have an opportunity to earn the National Institute for Metalworking Skills credential for Materials, Measurement and Safety. Upon successful completion of the Tool and Die Technology curriculum with a grade point average of 2.00 (C) or higher, the student is awarded an Associate in Applied Science Degree. Program graduates are prepared to work in the "tool room" of area manufacturers or to work for a specialty tool and die shop producing dies and molds for a large variety of production machines in our area. Entrance Advising Due to the highly technical nature of this program and NIACC's commitment to giving students the best possible opportunity for success, students are scheduled for advisement sessions with counselors and/or program personnel. In these sessions, the student's career plans, previous background, transcripts, test scores, life experiences, and motivation aid in designing a positive educational experience.

### Required Courses/Suggested Schedule

#### First Year

##### First Term (Fall Semester)

BCA-119 Computer Orientation.....	1 s.h.
ENG-701 Communications I.....	3 s.h.
IND-190 Skills and Safety in Industry.....	1 s.h.
MFG-137 Machinist Math I*.....	2 s.h.
OR MAT-801 Applied Math A**(1 s.h.) and MAT-802 Applied Math B*** (1 s.h.) and MAT-803 Applied Math C**** (1 s.h.) and MAT-804 Applied Math D***** (1 s.h.)	
MFG-120 Machine Trade Print Reading I.....	1 s.h.
MFG-245 Machine Theory and Operations I+.....	9 s.h.
	17-19 s.h.

##### Second Term (Spring Semester)

MFG-130 Machine Trade Print Reading II++.....	1 s.h.
MFG-138 Machinist Math II+++.....	2 s.h.
MFG-248 Machine Theory and Operations II++++.....	7 s.h.
MFG-302 CNC Fundamentals+++++.....	3 s.h.
PHY-720 Career Physics#.....	4 s.h.
	17 s.h.

#### Second Year

##### Third Term (Summer)

MFG-108 Computer-Aided Drafting (CAD)##.....	2 s.h.
MFG-110 3-D Modeling ###.....	2 s.h.
MFG-380 EDM Fundamentals####.....	2 s.h.
MFG-424 Jig and Fixtures#####.....	5 s.h.
MFG-500 Statistical Process Control (SPC).....	1 s.h.
	12 s.h.

##### Fourth Term (Fall Semester)

BUS-162 Workplace Professionalism.....	3 s.h.
MFG-320 Computer Aided Manufacturing (CAM)†.....	3 s.h.
MFG-408 Basic Die Making††.....	8 s.h.
WEL-335 Ag and Industry Welding.....	2 s.h.
	16 s.h.

##### Fifth Term (Spring Semester)

ENG-702 Communications II†††.....	3 s.h.
MFG-312 Advanced CNC†††.....	2 s.h.
MFG-459 Injection Mold Making††††.....	9 s.h.
MFG-460 Plastics Materials.....	1 s.h.
	15 s.h.

Total Program Hours 77-79 s.h.

## Automotive Service Technology

Location: North Iowa Area Community College Campus – Mason City

Automotive Service Technology is a 4 1/2 semester Associate in Applied Science (A.A.S.) Degree program. The program is ASE/NATEF Master Certified. All eight instructional areas meet industry and educational standards as identified by Automotive Service Excellence and evaluated by the National Automotive Technicians Education Foundation:

• Engine Repair • Automatic Transmission/Transaxle • Manual Drive Train and Axles • Suspension and Steering • Brakes • Electrical/Electronic Systems • Heating and Air Conditioning • Engine Performance

Upon successful completion of the first three terms of the Automotive Service Technology curriculum with a cumulative grade point average of 2.00 (C) or higher, the student is awarded a Diploma. Developmental courses are not used in calculating the cumulative grade point average for graduation. Students must achieve a minimum grade point average of 2.00 (C) in the core automotive courses in order to continue to the second year of the program.

Upon successful completion of the Automotive Service Technology curriculum with a grade point average of 2.00 (C) or higher, the student is awarded an Associate in Applied Science Degree.

Entrance Advising: Due to the highly technical nature of the Automotive programs and NIACC's commitment to giving students the best possible opportunity for success, students will be scheduled for advisement sessions with counselors and program personnel. In these sessions, the student's career plans, previous background, transcriptions, test scores, life experiences, and motivation will aid in designing a positive educational experience.

### Required Courses/Suggested Schedule

#### First Year First Term (Fall Semester)

AUT-105 Introduction to Automotive Technology.....	4 s.h.
AUT-113 Transportation Fundamentals.....	3 s.h.
AUT-115 Automotive Shop Safety.....	1 s.h.
AUT-627 Automotive Electrical Systems*.....	7 s.h.
	15 s.h.

#### Second Term (Spring Semester)

AUT-405 Automotive Suspension and Steering**.....	5 s.h.
AUT-505 Automotive Brake Systems**.....	5 s.h.
ENG-701 Communications I.....	3 s.h.
MAT-801 Applied Math A***.....	1 s.h.
MAT-802 Applied Math B****.....	1 s.h.
MAT-803 Applied Math C*****.....	1 s.h.
	16 s.h.

#### Third Term (Summer)

AUT-305 Automotive Manual Drive Train & Axles**.....	4 s.h.
AUT-704 Automotive Heating & Air-Conditioning**.....	4 s.h.
	8 s.h.

#### Second Year

##### Fourth Term (Fall Semester)

AUT-164 Automotive Engine Repair**.....	4 s.h.
AUT-204 Automotive Automatic Transmissions and Transaxles**.....	4 s.h.
AUT-843 Automotive Computerized Controls+.....	5 s.h.
BUS-162 Workplace Professionalism.....	3 s.h.
BUS-130 Introduction to Entrepreneurship.....	3 s.h.
OR Other General Education elective course (3 .sh.).....	19 s.h.

##### Fifth Term (Spring Semester)

AUT-832 Automotive Fuel Delivery Systems++.....	3 s.h.
AUT-859 Advanced Automotive Engine Performance++.....	6 s.h.
AUT-866 Automotive Engine Performance Testing++.....	6 s.h.
ENG-702 Communications II+++.....	3 s.h.
	18 s.h.

Total Program Hours 76 s.h.

## **SCHEDULE- MINIMUM LOAD**

The school day begins at 8:20 a.m. and ends at 3:25 p.m. The school day consists of nine (9) periods with six days in our cycle instead of the customary five (5) days in a week. The six day schedule makes it much easier and more balanced when working with classes that meet less than on a daily basis.

- A. A minimum load schedule for a student who is **not** taking any music courses would be seven (7) academic class periods scheduled daily plus physical education.
- B. A minimum load schedule for a student who is taking **either** band or vocal music would be an additional six (6) academic class periods scheduled daily plus physical education.
- C. A minimum load schedule for a student who is taking **both** band and vocal music would be an additional five (5) academic class periods scheduled daily plus physical education.

## **ACADEMIC CREDITS:**

- A. A graduating senior **must** have a minimum total of 46 credits.
- B. One credit is given for the successful completion of one semester of work in any academic course.
- C. Non-academic credit: This type of credit is given for successful completion of any of the following courses:

Band	1 credit	Physical Education	1/2 credit
Vocal Music	1 credit	Driver Education	1/2 credit

## **GRADUATION REQUIREMENTS:**

Each student is required to earn 46 credits to qualify for a high school diploma at graduation.  
Included in the accumulation of the 46 credits--the following specific requirements will also be in effect:

**English/Language Arts:** 8 credits: 2-English 9, 2-English 10, 2-English 11, 2-English 12 OR 2-Composition I and II (NIACC Concurrent Enrollment Course) or Communications I & II (NIACC Concurrent Enrollment Course).

**Mathematics:** 6 credits

Each student is required to complete at least six semesters of satisfactory coursework in mathematics. Course selection for freshmen is usually based on a combination of factors, which include student's aspirations, abilities, previous course-work achievement, standardized test score results, as well as science instructor and counselor recommendations.

**Science:** 6 credits

Each student is required to complete at least six semesters of satisfactory coursework in science. Course selection for freshmen is usually based on a combination of factors, which includes student's aspirations, abilities, previous course-work achievement, standardized test score results, as well as science instructor and counselor recommendations.

The progression of science courses may vary according to the student's abilities and interests.

Below is a listing of the most common sequence by students:

Grade 9= Integrated Science - Required

Grade 10= Biology - Required

Grade 11= Intro to Chemistry - Required

Grade 12=Anatomy & Physiology **and/or** Advanced Chemistry **and/or** Physics

**Social Studies:** 6 credits

Each student is required to successfully complete two semesters (1-credit each) in American History (junior year) and one semester in Government and one semester in Economics (senior year) in order to earn a diploma. The other two credits may be earned in any elective high school Social Studies courses.

**Health:** 1 credit

Each student is required to successfully complete one semester of Health class in order to earn a diploma.

**Financial Literacy:** 1 credit

Each student is required to successfully complete one semester of Financial Literacy class in order to earn a diploma.

**GENERAL RECOMMENDATIONS FOR COURSE SELECTION IN HIGH SCHOOL:**

When you (the student) formulate your future plans you should have a general idea as to whether you plan additional education after graduation or you plan to enter a vocation, which will not require additional training.

Most GHV HS graduates pursue one of the four choices listed below:

1. **Seek Employment:** If this is your goal, your #1 goal in high school should be to work to make yourself more employable. This involves developing good work habits--even in areas that are not of major interest. This also means developing character references and other assets for your permanent record that will be helpful in applying for employment. Enrolling in "resume skills courses" is vital.
2. **Enter the Armed Forces:** You need to decide what skills or background you high school courses can provide to improve your chances of getting the assignment you most prefer. **Notice:** The current state of the economy has made it possible for the Armed Forces to be much more selective in whom they wish to enlist. The option of dropping out of school and joining the armed forces is seldom available! Our military organizations have expressed their preference to enlist high school graduates.
3. **Enroll in one or two-year Vocational Programs:** (Mechanical, technical, nursing, cosmetology, business, apprenticeship, etc.) You should include those courses and experiences in high school, which will make you better prepared to pursue the program you have selected. The economy has had a definite impact in this area too. Many students who previously would have left high school for items #1 or #2 above are now entering this area...Competition is tougher than ever in all fields. Do what you can to be prepared!
4. **Enroll in four-year College Program:** (Pursuing a Bachelor of Arts or Bachelor of Science degree-whether beginning at a 4-year school or in a 2-year school and transferring to a 4-year school to finish). You should determine and include both those courses that are required and those recommended for the area you intend to pursue as your major field.

\* College requirements are usually higher than minimum high school graduation requirements (two semesters of writing courses, six semesters of sequential math, two semesters of Chemistry, etc.). Students planning to enter college should check the catalog of the college they are considering and make note of any specific requirements needed.



### Course Changes:

Wholesale course changes are strongly discouraged at GHV HS. Students have a great deal of latitude of making revisions prior to the opening of each semester. Students will be given a total of four (4) school days into the semester to make any "drop" or "add" changes on their schedule. The intent is that students will spend some time making serious decisions in advance regarding course selection rather than just signing up for "any old thing" and then making wholesale changes after the semester begins. Going more than four days into a new course and having students changing schedules causes inconvenience for other students and the teachers. Helping "schedule changers" to catch-up means taking away instruction and planning time from the people who scheduled correctly in the first place. Our first responsibility is to the students who seriously plan their schedules. The counselor must approve all course changes.

**Prerequisites:** All prerequisites below require the student to earn passing grade before enrolling in the advanced level course(s).

- 1) - Foods is required in order to enroll in Advanced Foods.  
- Advanced Foods is required to enroll in Culinary Foods.  
- Introduction to Textiles & Interior Design is required in order to enroll in Textiles and Design.
- 2) - Foundations of Art 2 is required to enroll in Creative Drawing.  
- One semester of Creative Drawing is required to enroll in Painting.  
- Foundations of Art 1 and 2, and one semester each of Creative Drawing and Painting, are required to enroll in Art Portfolio.
- 3) - One semester of Introduction to Drafting & Design is required before enrolling in any other Advanced Industrial Arts class.  
- Advanced Woods is a prerequisite for Carpentry and Building Trades.  
- Students with a strong interest in Industrial Arts should check with Mrs. Bierle, Mr. Omans, or Mr. Englin to be sure of other prerequisites in the Industrial Arts department as course offerings expand. (Notice: Students and parents should be aware that we are experiencing a heavy demand in the Industrial Arts area. Course limits in the number of students are necessary because of machinery available, safety, etc. The policy in this department is that when classes must be limited, past performance in prerequisite courses is the first criteria utilized to determine being included on the course roster.)
- 4) One semester of Psychology **and** one semester of Child Development are required to enroll in Cadet Teaching during your senior year.
- 5) Two semesters (1 year) of Biology **and** two semesters (1 year) of Anatomy & Physiology are required to enroll in College Biology.
- 6) There are other obvious prerequisites involving certain other courses. Be sure to check the course descriptions in the next section of this curriculum guide. Feel free to contact Mrs. Bierle for clarification.

### SUMMARY

Students and parents should be aware that we are in a particularly competitive time period because of economic factors. It is no longer true that a person who is willing to work can find a job any time...there are many willing workers who are currently unemployed. It is also well known that many of the most attractive occupations presently demand a technical-oriented education as opposed to a four-year degree education. It is important for both parents and our students to work together on realistic goals with their future planning. Students are reminded that any course which expands their knowledge or increases their skills is likely to prove to be of value to them further-down-the-road. No course should be considered to be "just something to take". Each course choice should be based on a solid decision.

### Course Revisions and New Offerings

There are a few course revisions that are listed and other revisions that may be enacted before the fall. In instances where further course revisions are instituted, students and parents will be informed by school announcements, email, bulletins, and correspondence sent home.