



# Providing Opportunities

FAYETTEVILLE-MANLIUS MIDDLE SCHOOLS

# Middle School Building Action Plans

- ▶ Research diverse course opportunities and master schedule options for middle school students(administrative topic leaders).
- ▶ Provide additional advanced course opportunities for students in Grade 8.
- ▶ Increase the number of female students enrolled in Technology & Design department courses.

# Grade 8 Schedule Design

- ▶ Periods 1, 2, 3, 8 & 9

English, Math, Social Studies, LOTE & Science

- ▶ Periods 4, 5 & 6

Electives, Health, PE & Earth Science lab

- ▶ Period 7

Lunch

*Note: All Program Requirements for Middle Grades in FACS, Health & Technology met by grade 7*

<http://www.p12.nysed.gov/ciai/mle/mleflex.html>

# Grade 8 Advanced Courses: Changes Over Time

## 2014-15

Earth Science

**Algebra I Honors**

**Languages other than English  
(All students, 2013-14 gr. 7 start  
French, Spanish, German, Latin)**

Studio in Art: Foundations

Music Theory

## 2015-16

Earth Science

Algebra I

Languages other than English  
(All students, 2013-14 gr. 7 start  
French, Spanish, German, Latin)

Studio in Art: Foundations

Music Theory

**Product Design & Engineering**

## 2016-17 (and beyond)

Earth Science

Algebra I

Languages other than English  
(All students, 2013-14 gr. 7 start  
French, Spanish, German, Latin)

Studio in Art: Foundations

**Studio Music**

Product Design & Engineering

# Additional Grade 8 Electives

- ▶ Family and Consumer Sciences
- ▶ Chorale
- ▶ Music 8
- ▶ Computer Applications
- ▶ Band
- ▶ Orchestra

# Product Design & Engineering

## 2015-16

- ▶ 20 Week Course 1/2 High School Unit of Credit
- ▶ This course is designed for students to participate in design, development, production and quality assurance in the production of various products. Computer Assisted Drawing and Design skills will be incorporated in the designing phases. Computer Assisted Manufacturing and various production techniques will be utilized in the fabrication of the products. Students will work with class members in team work and collaborative activities. Members of the class will use the systems approach, problem solving, and analytical skills to solve design and engineering problems.

# Product Design & Engineering Enrollment

## ▶ 2015-16

- 123/364 students = 34%
- 34% female

## ▶ 2016-17 (projected)

- 338 students/TBD
- TBD

# Browse Curriculum > Product Design and Engineer (D)

View  Edit

Actions



District Maps > Grade 8 > Technology > [Product Design and Engineer \(D\)](#)

Last Updated: [Today](#) by Mary Coughlin

[District Curriculum](#)

Course Description

Unit Calendar

Curriculum Map

Create a new Unit:

Unit Name:

From:

Week 1

To:

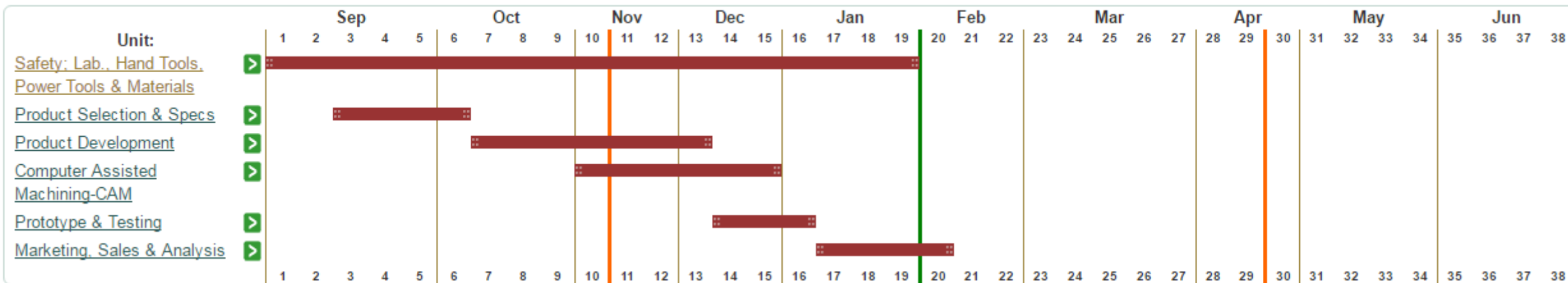
Week 1

Save

Copy Unit

Auto Sort

Recycle Bin






# Studio Music

## 2016-17

- ▶ 20 Week Course ½ High School Unit of Credit
- ▶ Studio Music is a high school course introducing the concepts of music theory in a technology rich environment. Students will complete projects that might be common in a professional music studio, including jingle writing, soundtracks, and other commercial music. Projects will be produced and recorded with available software such as Sibelius, Finale, Garage Band, and Audacity. Students will develop the necessary skills for authentic performance using a variety of instruments. This course fulfills the prerequisite for Theory II.



*“If we’ve helped them evolve  
into big thinkers instead of small  
thinkers, then we’ve done our  
jobs.”*