

# Wildcat 8th Grade Registration

## Wildcat Planning Tool for 8th grade

Fill in the following guide to help you plan your elective classes for 8th grade. Keep in mind that a music elective will take up 4 slots each year because classes are every day.

8th Grade Semester 1		8th Grade Semester 2	
<b>All year A&amp;B Days</b>		<b>All year A&amp;B Days</b>	
<b>English</b> <b>Math</b> <b>Physical Science</b> <b>U.S. History</b>		<b>English</b> <b>Math</b> <b>Physical Science</b> <b>U.S. History</b>	
8th Grade A Day	8th Grade B Day	8th Grade A Day	8th Grade B Day
HE/PE	Elective	HE/PE	Elective
<b>When choosing electives keep in mind that music takes place on A and B days for the whole year.</b>			
Music	Music	Music	Music
<b>OR</b>		<b>OR</b>	
Elective	Elective	Elective	Elective

### Semester Elective Classes (A/B day) options:

Many classes that you weren't able to take in 7th grade are still offered for you to enroll in now that you are Wildcat 8th graders. However, each elective can only be taken one time in middle school. You will rank your elective choices. Classes are listed in alphabetical order. An electronic version is at [bit.ly/BenSteele8](http://bit.ly/BenSteele8) and if you click on the underlined titles you will get more information.

#### Art 2-2D Art Fundamentals\*

In 2D Art Fundamentals, students expand their knowledge of Art. The Elements of Art will be reviewed, and the Principles of Art will be introduced. Students will explore:

- Drawing and painting techniques using two dimensional media
- Art history and critique will be explored
- And more

#### Art 4-2D Advanced Art\*

Art 2 **or** 3 is required

This is an advanced art course for self-motivated students who want the opportunity to express themselves. Students will explore:

- Composition
- Technique
- Elements and principles of design
- Art History
- And more

#### Art 3 3D Art Fundamentals\*

In 3D Art Fundamentals, students will expand their knowledge of art. Students will explore:

- Sculptural techniques using three dimensional media
- Study forms from different points of view
- And more

#### Computer Science 1

This course takes a wide lens on computer science by covering topics such as programming physical computing, HTML/CSS, and data.

Students will explore:

- Problem Solving with Computer Code
- Website creation with HTML/CSS
- Creation of Animation and Games

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# Wildcat 8th Grade Registration *Semester elective classes (A/B day) options continued*

## Computer Science 2\*

*Computer Science 1 is a prerequisite*

Following the skills learned in Computer Science 1 of HTML and a bit of CSS students will create a game in game lab and then their own app using the design process but implementing data. At the end of this course student use circuit playground and a maker toolkit to create. Students explore:

- Animations and Games
- The design process
- Data and society
- Physical computing

## Empower 1

This is a multifaceted course that helps students explore many real life issues and skills. Students will explore:

- Managing Roles and Responsibilities
- Consumer and Family Resources
- Food production and consumer science
- Interpersonal relationships
- Textiles, fashion and apparel

## Flight 1

The exciting world of aerospace comes alive through Flight and Space. Students explore the science behind aeronautics and use their knowledge to design, build, and test an airfoil. Custom built simulation software allows students to experience space travel and explore:

- Building and testing projects
- What is required to travel, live and work in space
- History of aerospace

## INTENSITY

Intensity is a movement-based course with an emphasis on fitness and lifetime activities.

Students will explore:

- Lifetime activities
- Movement in physical education

## Dig It 2 (Digital Literacy)

Students work collaboratively on projects while effectively using technology. They increase skills for academic and career readiness. Students will explore:

- Advanced Google Suite creations
- Global communication
- Coding Introduction
- Genius Hour/Passion Project
- Website development as a portfolio
- And More

## Empower 2\*

This is continuation of Empower 1 which helps students explore many real life issues and skills. Students will explore:

- Managing Roles and Responsibilities
- Consumer and Family Resources
- Food production and consumer science
- Interpersonal relationships
- Textiles, fashion and apparel
- Entrepreneurship

## Flight 2\*

*Flight 1 is a prerequisite*

This is continuation of Flight 1 and allows students to create and test their creations.

Students continue to explore:

- Science behind aeronautics
- Building and testing projects
- What is required to travel, live and work in space
- History of aerospace



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# Wildcat 8th Grade Registration *Semester elective classes (A/B day) options continued*

## Music

*These courses meet year long and everyday.*

### Band

This is a continuation of 7th grade band

### Orchestra

This is a continuation of 7th grade orchestra

### Choir

Students sing in groups large and small and develop a range of choral music skills

## Spanish 1

This fun interactive course is filled with diverse multimedia language activities.

Students explore:

- Introduction to Spanish

## Tech and Engineering 1

Using formal and informal design students apply numerous academic concepts through practical activities. Students explore:

- Woods Lab - machine safety
- Measurement - understanding the metric and customary measurement systems
- Design - Block puzzle creation
- Practical Mathematics - Creating a Late Brake Aero Racer using measurement, applied mathematics, research and testing

## Tech and Engineering 3\*

Using formal and informal design students apply numerous academic concepts through practical activities. Focus is on design, engineering, and production. Students explore:

- Intro to Engineering - Creating isometric and orthographic sketches
- Intro to Torchmate CAD and sketchup - begin 3D block and product design
- Transition from formal to informal design - incorporate measurement, computer design and shop knowledge to production of Super Clips

## Spanish 2\*

*Spanish 1 is a prerequisite, it may be taken in 8th grade*

This is a continuation of Spanish 1.

## Tech and Engineering 2\*

This is a continuation of Tech and Engineering 1 and is a culmination of computer design, wood fabrication, and production.

- Aerodynamics - Understanding the underlying forces - Co2 Car design and racing
- Intro to computer design - Adobe Photoshop and Illustrator
- Design - Exploring raster and vector file types and creating laser engraved products

## Tech and Engineering 4\*

This is a continuation of Tech and Engineering 3 and is a production based class focusing on design, production, horticulture, and product innovation. Students explore:




- Implementation of computer based design-create marketable designs using CAD, Sketchup, and Adobe
- Design fabrication and Production - fabricate marketable products like metal art, barn wood coolers and planter boxes
- Greenhouse - learn aspects of horticulture, plant sustainability and greenhouse sales




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# Wildcat 8th Grade Rankings

 **7th Math**, Pre-Algebra, or Algebra  
 **English** or Honors English  
 **Health Enhancement** all year/2 Electives (A/B day)

 **Life Science**  
 **Geography**  
 Music (every day) OR 4 Electives

Your Name:

## Music Selection:

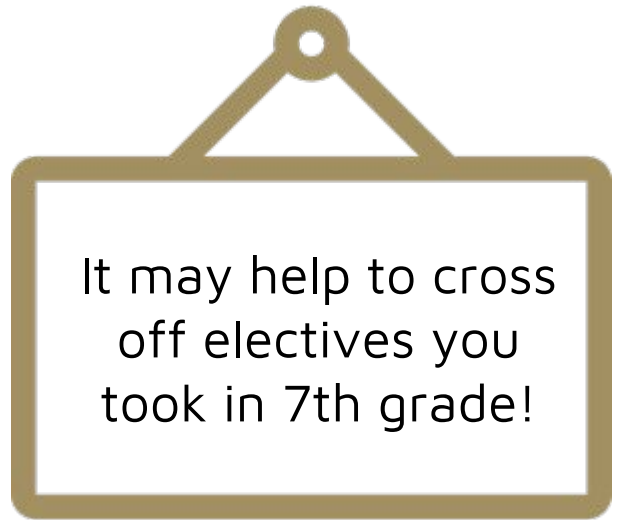
Check your choice

Band     Choir     Orchestra     None

## Semester elective classes A/B day options:

Grade 8 students who choose a music will have 2 elective options. If you do not choose a music you will have 6 elective options. Each student needs to prioritize the following electives. Place a **1** in front of the elective that would be your first choice. Place a **2** in front of the elective that would be your second choice, and so on through 9. \*Indicates prerequisite required.

- \_\_\_\_\_ Art 2
- \_\_\_\_\_ Art 3
- \_\_\_\_\_ Art 4\*
- \_\_\_\_\_ Computer Science 1
- \_\_\_\_\_ Computer Science 2\*
- \_\_\_\_\_ Dig IT 2 (Digital Literacy)
- \_\_\_\_\_ Empower 1
- \_\_\_\_\_ Empower 2\*
- \_\_\_\_\_ Flight 1
- \_\_\_\_\_ Flight 2\*
- \_\_\_\_\_ Intensity
- \_\_\_\_\_ Spanish 1
- \_\_\_\_\_ Spanish 2\*
- \_\_\_\_\_ Tech Ed 1
- \_\_\_\_\_ Tech Ed 2\*
- \_\_\_\_\_ Tech Ed 3\*
- \_\_\_\_\_ Tech Ed 4\*



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