



# Wood Middle School Electives for the 2023-2024 School Year

# Overall Elective Choices - Grades 6,7,8

## World Languages:

- Spanish 1, 2, 3, SSS1, SSS2
- French 1, 2, 3

## Art:

- Digital Art/ Photography 1 , 2 & 3
- Art Studio- 1 , 2 & 3

## Technology:

- Introduction to Technology and Design (6th)
- CADD-ARE (7th)
- Principles of Information Technology: Digital Systems, Cybersecurity, and Coding (7th)
- Invent the Future (8th)
- Foundations of Computer Science (8th)\*
- Introduction to Engineering Design (IED) (8<sup>th</sup>)\*

\*high school credit\*

## Music:

- Beginning, Intermediate, and Advanced Band
- Beginning and Advanced Orchestra
- Beginning, Intermediate, and Advanced Chorus
- General Music & Music Technology
- Theatre 1 & 2

## Career (7/8th):

- Student Court
- Forensic Science
- Student Aide (8th)
- Autism Buddy - Art/Tech/Music or PE options

# Technology Electives

## Semester Courses

- Coding, Robotics, Engineering, and Design (6th)
- Principles of IT: Digital Systems, Cyber Security & Coding (7th)
- Invent the Future (8th)

## Year Long Courses

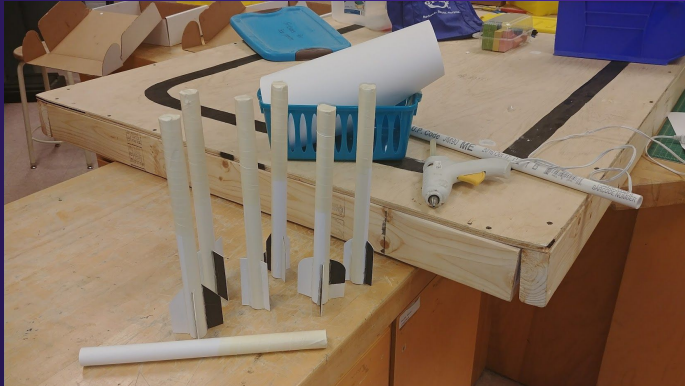
- CADD-ARE (7th)
- Foundations of Computer Science \* (8th)
- Intro to Engineering/Design\* (8th)



[Click here For Video Introduction](#)

# Introduction to Technology and Engineering, Robotic Design (6th)

Use the Engineering design process to build and test rockets, bridges etc.  
Hands-on-Minds-on Learning



Use Lego Spike Prime Robots to learn Coding and problem solving together



Coding Robots to Solve Problems

# Principles of Information: Digital Systems, Cyber Security & Coding (7th)

Students will learn:

- Digital systems and devices: classify hardware and software.
- Input and output devices, storage, and processing elements.
- Cybersecurity, computing ethics, and remaining safe online.
- Coding, make mobile apps (code.org)
- Program hardware using circuit playground



# CADD-ARE (7th)

## Computer Aided Drafting and Design/Applied Robotics Engineering

- Projects include designing and building underwater robots, magnetic levitation vehicles, safety cars, and foam board houses.
- Do you want to use 3D modeling and architectural design software?
- Do you enjoy designing and building?



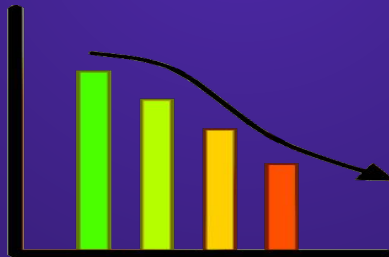
# Foundations of Computer Science\* (8th)

High School Credit Course

Program Robots



Use the Design Process to solve problems



Analyze Data

Create a Web page using HTML / CSS

Scratch

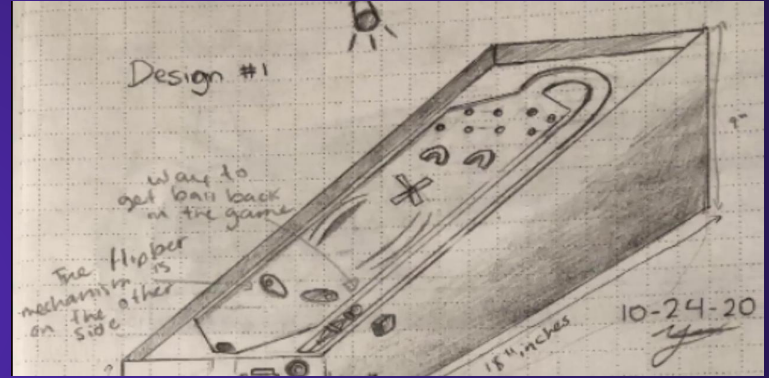


Computer Programming

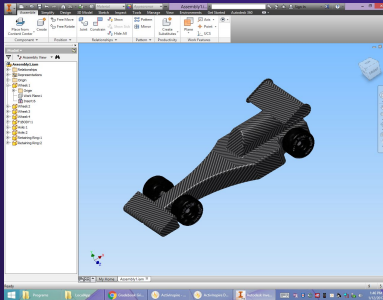
# Intro to Engineering Design (IED)\* (8th)

*8th graders recommended for Algebra or Geometry*

- First course in the Project lead the Way Engineering Program at Rockville High School.
- The major focus of the IED course is to expose students to design, 3D modeling, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation.



*Fulfills High School Tech Ed credit*





# Invent The Future (8th)

This class is run in partnership with the Kid Museum

Students will:

- Use computer science and engineering design through hands on, project based learning experiences that bring together technical skill building and creative problem solving.



# Arts Electives

## Semester Courses

Digital Art/Photo 1, 2 & 3

Art Studio 1, 2 & 3

Theatre 1

General Music

Music Technology



## Full Year Courses

Band 1, 2, & 3

Orchestra 1 & 3

Chorus 1, 2, & 3

Theatre 2 (7th & 8th)

Studio Art 3 (8th- semester & year long)

# DIGITAL ART & PHOTO 1 (6th)

- Learn techniques, new equipment, **Photoshop**, and more!
- Edit, create, and **share artwork!**
- **Explore** new media & learn how to bring your artwork to life!



Open to **6th & 7th**  
**grade** students!

Contact: [jacob\\_f\\_hicks@mcpsmd.org](mailto:jacob_f_hicks@mcpsmd.org)

# DIGITAL ART & PHOTO 2 (7th)

- Learn techniques, new equipment, **Photoshop**, and more!
  - Edit, create, and **share artwork!**
  - **Experiment** & explore your unique artistic style.



Open to **7th & 8th**  
grade students!

[jacob\\_f\\_hicks@mcpsmd.org](mailto:jacob_f_hicks@mcpsmd.org)

# DIGITAL ART & PHOTO 3 (8th)

- **Explore** and develop your own creative workflow!
  - **Experiment** with a variety of photographic techniques
- Edit, create, and develop **a portfolio of artwork to share!**



Open to **8th**  
grade students!

[jacob\\_f\\_hicks@mcpsmd.org](mailto:jacob_f_hicks@mcpsmd.org)

LEARN MORE ABOUT **DIGITAL ART + PHOTO!**



Contact: **Jacob\_F\_Hicks@mcpsmd.org**

# THEME: IDENTITY

# Art Studio 1 (6th)

Using a variety of media and techniques students will explore big ideas connected to **identity**. Artists will use sketchbooks and work with charcoal drawing, oil pastel design, contour portrait painting, collagraph printmaking, ceramic vessels, sculpture and mixed media. Using learned art vocabulary, artists will analyze and critique artwork through discussion and writing. All students will participate in art shows.



[VIDEO  
HERE](#)



# Art Studio 2 (7th)

*Students who have taken Art Studio 1 or 7th Grade*

Using a variety of media and techniques students will explore big ideas connected to **Relationships**. Artists will keep sketchbooks and work with watercolor pencil, ink pens, advocacy design, watercolor paint, ceramic portrait busts, stencil printmaking, plaster sculpture and mixed media. Using learned art vocabulary, artists will analyze and critique artwork through discussion and writing. All students will participate in art shows!





# Art Studio 3 (8th)

*Students who have taken Art Studio 2 or in 8th Grade*

Using a variety of media and techniques students will explore big ideas connected to **influence**. Artists will use sketchbooks and work with charcoal and conte drawing, mixed media portraits, acrylic research painting, incised printmaking, ceramic slab construction and use the pottery wheel. Artist will use vocabulary to analyze and critique artwork through discussion and writing. All students will participate in art shows and attend a Glenstone field trip!



# Theatre 1 & 2 (6,7,8)

*Students who have taken Theatre 1 may take Theatre 2*

## Play on!



- Improvisation
- Playwriting
- Monologues
- Scene Performance
- Theatre History

“Suit the action to the word, the word to the action!”

General Music, Music Tech  
& Chorus  
with Mrs. Cox

Instrumental Music  
with Ms. Price

# General Music 1

One semester course

*Listen to music every day!*

*Popular music history : blues, jazz, rock, rap, pop, country, disco, kpop, and more!*

*Tech-based learning*

## General Music is for everyone!

- All 6th, 7th, and 8th graders can take this beginning level class!
- This is a great option if you love music, but don't want to perform.
- You can try music for one semester and try something else the second half of the year.

[bree.h.cox@mcpsmd.net](mailto:bree.h.cox@mcpsmd.net)

# General Music 3: Music Technology

One semester course

*Composition and Music Theory*

*Tech-based learning*

*Podcasting and Voice Over*

*Looping and Mixing Music*

*Create music to share with friends*

## Recommended qualifications:

- 6th Graders: nominated by your elementary school music teacher
- 7th and 8th graders: have taken a music class (Band, Orchestra, Chorus, or General Music I)
- You have not previously taken this class.

[bree.h.cox@mcpsmd.net](mailto:bree.h.cox@mcpsmd.net)

# Chorus I, II, & III

Full-year courses

*Lots of performance opportunities*

*Solo opportunities*

*Learn lots of fun music from pop, musicals,  
classical and foreign language!*

*Field trips to sing outside of school*

*Zoo Lights, Hersheypark, and Six Flags\**

*\*Chorus II & III only*

**Not sure which one to register for?**

## Chorus I - Treble Makers

- All incoming 6th Graders

## Chorus II - Name TDB

- Rising 7th Graders
- Rising 8th Graders new to chorus

[bree.h.cox@mcpsmd.net](mailto:bree.h.cox@mcpsmd.net)

## Chorus III - Rhapsody in Blue

- 8th Graders who have completed 2 years of chorus
- 7th Graders by audition



# Instrumental Music

Open to all 6th, 7th, & 8th graders!

## Beginning Band

All Band Instruments Include:

Flute, Oboe, Bassoon, Clarinet, Saxophone, Trumpet, French Horn, Trombone, Baritone, Tuba, Percussion (Drums, Mallets, etc).

## Intermediate Band

\*Enrollment based on recommendation by elementary band teacher.

Click [HERE](#) for a video introduction to all Instrumental Music classes

Interested in learning a new instrument or wanting to continue from elementary school? These are the groups for you!!  
These are FULL YEAR courses

## Beginning Ensembles perform for...

- Schools concerts (Winter, Cluster, & Spring)
- The opportunity to audition & perform for the Music in the Parks festival competition
- Honors Band & Honors Orchestra county ensembles (*optional*)

## Beginning Orchestra

Orchestra Instruments Include:

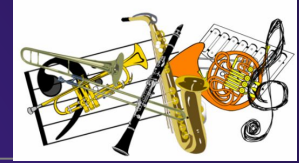
Violin, Viola, Cello, Bass





# Instrumental Music

These are FULL YEAR courses!



## Band 1 (Intermediate Band)

This class is for 6<sup>th</sup> graders and rising 7<sup>th</sup> and 8<sup>th</sup> graders who have completed at least one year of band in middle school

## Band 2 (Advanced Band)

This class is for rising 7<sup>th</sup> and 8<sup>th</sup> graders who have completed at least one year of band in middle school and have been recommended by Mrs. Price

## Orchestra 2 (Advanced Orchestra)

This class is for rising 7<sup>th</sup> and 8<sup>th</sup> graders who have completed at least one year of orchestra in middle school and have been recommended by Mrs. Price



### Advanced Band & Orchestra students perform for...

- All schools concerts (Fall, Winter, Cluster, & Spring)
- Marching Band Night at Rockville HS
- MCPS District Band/Orchestra Festivals
- Music in the Parks festival competition
- Honors Band & Orchestra county ensembles (*optional*)

# World Language Electives

All World Language courses earn High School Credit

## Full Year Courses

**SPANISH 1**  
**SPANISH 2**  
**HONORS SPANISH 3**

**SPANISH FOR SPANISH  
SPEAKERS 1**  
**SPANISH FOR SPANISH  
SPEAKERS 2**

**FRENCH 1**  
**FRENCH 2**  
**HONORS FRENCH 3**



Look at all you can do when you study a world language!!!

### WHY SHOULD KIDS LEARN ANOTHER LANGUAGE?



BETTER COMMUNICATION



CULTURAL AWARENESS



BETTER MATHS SKILLS



EASIER TRAVEL



BETTER MEMORY



INTERNATIONAL FRIENDS



HEIGHTENED LOGIC



BETTER CAREER PROSPECTS



Students may take a placement test to bypass a level of a language or enroll in SSS.

SSS classes are for 7th and 8th graders only.

# Career Electives (7th & 8th)

## Semester Courses

Forensic Science

Autism Buddy in Art

Autism Buddy in Music

Autism Buddy in Technology

## Full Year Courses

Student Court

Student Aide

Autism Buddy in PE

# Student Court

## STUDENT COURT

### Ever wonder...

- why lawyers say, "objection"?
- how a jury is picked?
- the difference between first-degree murder and second-degree murder?

### Are in interested in:

- becoming a lawyer?
- becoming a judge?
- going into law enforcement?
- acting?



IF YOU ANSWERED **YES** TO ANY OF THESE QUESTIONS, THEN THIS IS A CLASS YOU SHOULD SIGN UP FOR!!



### What you can expect to learn:

1. The United States Court system
2. Types of crimes
3. Criminal trial procedures
4. How and when to call Objections
4. The role of a jury
5. Opening/Closing Statements
6. **MOCK TRIALS**
7. And Much More!!

# Forensic Science



## Requirements of a Forensic Scientist

- Good communication skills
- Able to remain unbiased when checking evidence
- Meticulous by nature
- Logical thinker
- Motivated to learn and challenge ideas
- Excellent observation skills



## Forensic Science Topics

- History of Forensics
- Famous Court Case Studies
- Crime Science Investigation
- Identifying suspects
- Tracing Evidence
- Finger Printing
- Blood Evidence
- Forensic Anthropology
- Bringing evidence to court



# Student Aide

Student Aides spend one period a day for the entire year helping out in the Main office, Counseling Office or Media Center instead of an elective class.



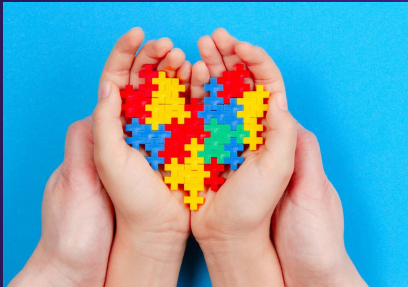
- Make deliveries to classrooms
- Help new students
- Shelf/Sign out books
- Run errands
- Prepare or laminate materials

**MUST be Responsible, Mature and no Referrals**

8th Grade students may apply to be a student aide by submitting an application, including teacher recommendations in March.

# Autism Buddy

Buddies spend one period a day for the entire year (PE) or semester (Art/Tech/Music) helping students in Wood's Autism class participate in their elective class.



- Be a friend
- Share enjoyment for a class that you find fun
- Support students who may learn differently than you.

**MUST be Responsible, Mature and no Referrals**

7th or 8th Grade students may apply to be a buddy by submitting an application, including teacher recommendations in March.

# Rising 7th and 8th Grade Registration Process



Counselors will begin visiting 6th and 7th Grade Math classes to discuss next year's course offerings starting January 18th.



Google Form Registration Due No Later Than January 30



If students have questions about electives, please contact your counselor January 30.



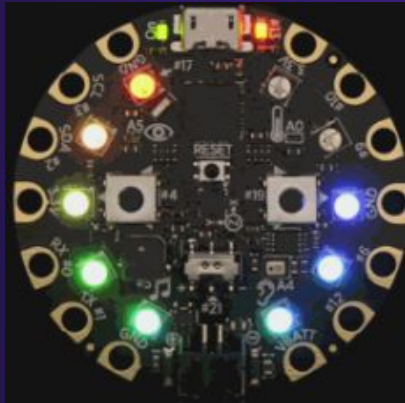
- Please contact any electives teachers, counselors, Dr. Keane, or Ms. Espinoza with questions.

Thanks for your attention!!

# Computer Science Discoveries 2

*For students who have taken CSD 1*

- Use a Microcontroller with sensors



Create a Prototype

Use the Design Process to solve problems.

Use pLapab to create interactive games and animations



Computer Programming

# Computer Science Discoveries 1

Create a Web page  
using HTML / CSS

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <link rel="stylesheet" href="index.css">
5 </head>
6 <body>
7 <h1>Welcome to the Animal Farm Website</h1>
8 <a
9 href="listof20animals20and20pictures.html">List
of Animals with Pictures</a>
10 <a href="index.html">Home Page</a>
11 <p> This website will be about all the animals
that impact my environment. We have dogs and cats.
It all started with a Morkie named Annabelle. She
was so tiny and cute when she was a puppy.</p>
12 
14 <h4> "Abby" </h4> <p> picture taken by Mrs. Ale</p>
15
16
```

**Welcome to the Animal Farm Website**

[List of Animals with Pictures Home Page](#)

This website will be about all the animals that impact my environment. We have dogs and cats. It all started with a Morkie named Annabelle. She was so tiny and cute when she was a puppy.



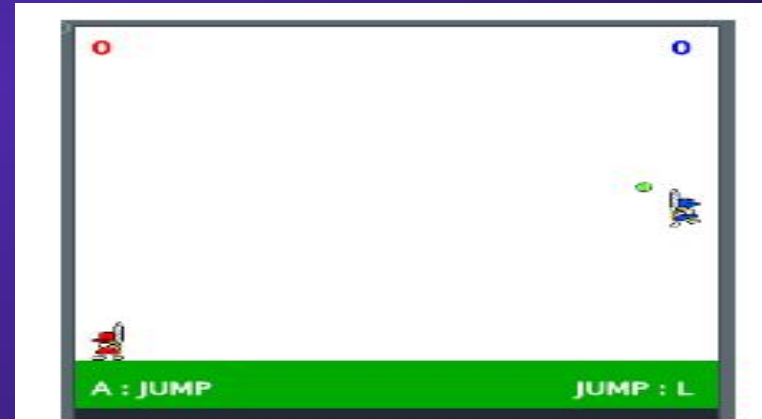
> "Abby"

picture taken by Mrs. Ale



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Use Game Lab and to create  
interactive games and animations



Use the Design Process to  
solve problems.

Computer Programming

# Principles of Information: Innovation of Applied Engineering and Design

Students learn:

- The importance of invention and innovation with applying engineering-thinking skills.
- The engineering process: plan, design, create
- Computer design software - design a house and/or rollercoaster.
- To implement Micro:bit hardware devices

