

Maynard Jackson  
High School  
Pathways &  
Electives

# 9th Grade Course of Study

|   |   |  |
|---|---|--|
| 1 | <b>9th Grade Lit</b> (or Honors)                            |  |
| 2 | <b>Algebra I</b> (or Honors) <b>or Geom H/Alg II H</b>      |  |
| 3 | <b>Biology</b> (or Honors)                                  |  |
| 4 | <b>Amer Govt/Civics</b><br>(or Honors)                      | <b>H.S. Transitions or<br/>P.E. Elective</b> |
| 5 | <b>Health</b>   | <b>Personal Fitness</b>                      |
| 6 | <b>Foreign Language</b> (French, Spanish, Mandarin Chinese) |  |
| 7 | <b>JROTC, CTAE or Fine Arts Pathway</b>                     |  |
| 8 | Math/Reading Support or <i>Add'l Elective</i>               |  |

# Understanding Pathways

A pathway consists of three or more related courses taken in one career area.

Benefits of completing a pathway include:

- Allowing students to develop a thorough understanding of a subject area
- Shows dedication and commitment
- Allows students to take the End of Pathway exam and earn an industry certification
- Students who pass the exams can wear cords at graduation





# Audio/Video Technology & Film

The A/V Tech & Film pathway prepares students for employment or post-secondary education in the film & television industry. AVTF students create presentations of sound, video, and data in a variety of formats; operate sound and video editing equipment; and work in front and behind the camera producing MJHS's weekly news segment, the **MJJ Weekly**.

**9th Grade Course:** Audio-Video Technology and Film I



**Lights, Camera, Action!**

# Band Pathway

The MJHS band program is a comprehensive wind & percussion instrumental music program, designed to develop and enhance budding musicians' basic fundamentals. Students are exposed to a variety of musical genres of instrumental music literature and performance opportunities, thereby preparing them for the collegiate level of music education and beyond. Students have the opportunity to participate in the Marching Band, Concert Band, or Jazz Band, all of which perform throughout the school year.



**9th Grade Course:** Beginning Band, or teacher rec based on experience



# Chorus Pathway

The Chorus Pathway is designed for students that enjoy singing and want to develop their vocal and musical skills. Students will have opportunities to perform individually and in large and small ensembles, in a variety of styles and genres in and outside of the school environment. Upon completion, these singers will be prepared to participate in professional or collegiate choral/vocal programs or to study vocal music at the college level.



**9th Grade Course:** Beginning Chorus, or teacher rec based on experience

# Dance Pathway

The Dance Pathway at MJHS aims for a holistic approach to dance, and embraces a variety of dance traditions and dance cultures. Performance, creative and analytical skills are mutually developed and valued whether the students are writing papers or creating/performing dances. The curriculum provides students with a liberal arts orientation to dance, which facilitates the development of students who may become choreographers, dance scholars, performers or those, more broadly, who seek life enrichment through dance.

**9th Grade Course:** Dance I, or teacher rec based on experience





# Engineering Pathway

Students will combine hands-on projects and rigorous curriculum to be prepared for challenging postsecondary engineering and technology problems and build solid technical writing, comprehension, calculation, problem-solving, and technical skills. Students learn about areas of specialization within engineering through hands-on instructional activities, and apply engineering design as they develop solutions for technical problems.



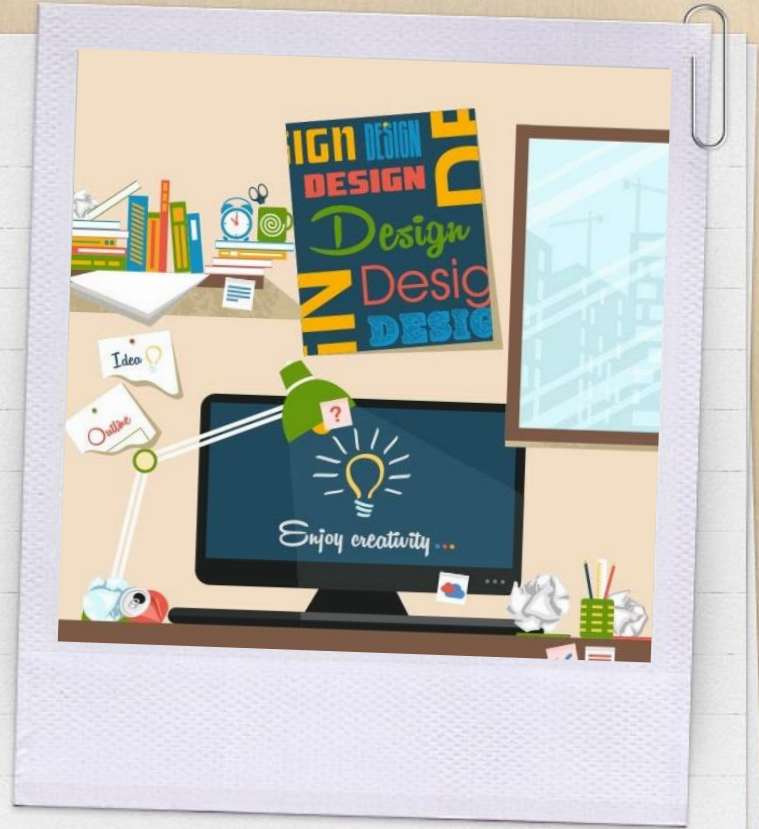
**9th Grade Course: Foundations of Engineering**



# Graphic Design

The Graphic Design Pathway introduces students to the processes involved in the technologies of printing, publishing, packaging, electronic imaging, and their allied industries. Graphic designers develop the overall layout and production design of magazines, newspapers, journals, corporate reports, and other publications. They also design distinctive logos for products and businesses, and develop signs and signage systems for business and government.

**9th Grade Course:** Intro to Graphics and Design



# JROTC

The Junior Reserve Officer' Training Corps is a leadership education program. This program will help students build a strong knowledge base of self-discovery and leadership skills applicable to many leadership and managerial situations. Mastery of the Army Junior ROTC standards through project-based learning, service learning and leadership development activities will prepare students for the 21st Century leadership responsibilities. The curriculum focus is reflected in its mission statement, "To motivate young people to be better citizens."

**9th Grade Course: JROTC/Army 1**





# Orchestra Pathway

The Orchestra Pathway at MJHS provides opportunities to develop performance skills and precision on orchestral stringed instruments. The program emphasizes performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects and appreciation of music. The pathway stresses individual progress and ensemble experiences. Orchestra members participate in several concerts each year.



**9th Grade Course:** Beginning Orchestra or teacher rec based on experience

# Theatre Arts

Through the TA Pathway, students will understand the power of art to inspire, to challenge, and to impact change in the thoughts and attitudes of its patrons. Beginning with Fundamentals, students are provided a basic overview of the techniques of acting, audience etiquette, and critique. Students are then able to choose concentration in Acting (front of house) or Technical Theater (back of house), with opportunities for writing, producing, directing, performance, lighting, sound, costumes, make-up design, and more.

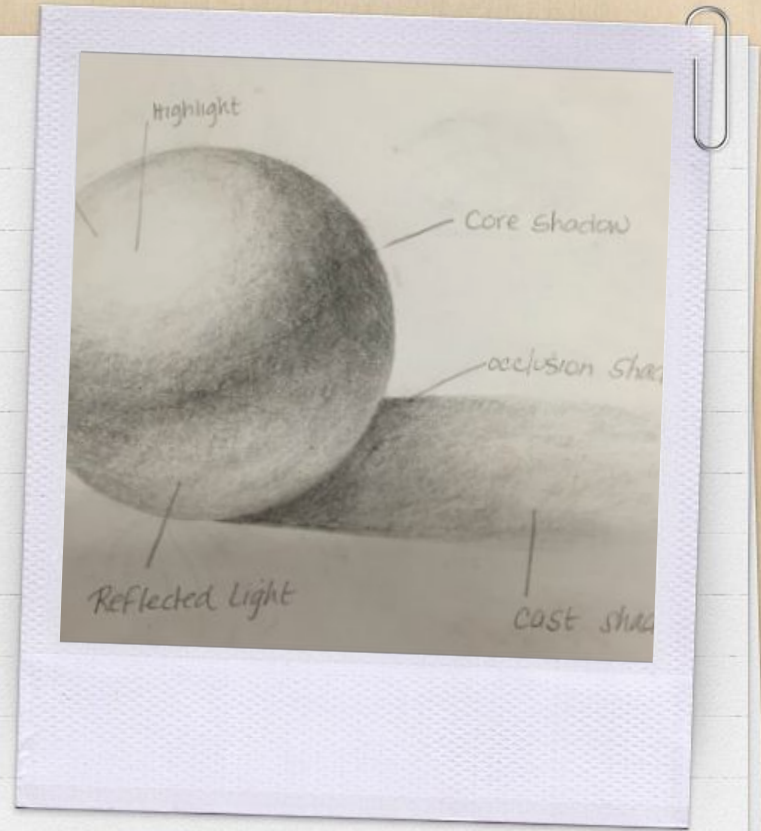


**9th Grade Course: Theatre Arts I/Fundamentals**



# Visual Arts

The Visual Arts Pathway aims to nurture young artists and create a platform for them to develop a powerful and personal visual voice. Students are introduced to art history, art criticism, aesthetic judgment & studio production. The VA pathway continues through drawing & painting, sculpture, applied design, and may continue up through AP or IB Studio Art, culminating in a senior thesis exhibition and other public art opportunities.



**9th Grade Course:** Intro to Visual Arts/Comprehensive I

# Web & Digital Design

This pathway is designed for students to understand, communicate, and adapt to a digital world as it impacts their personal life, society, and the business world. Emphasis will be placed on digital design and web page design. Students will learn essential skills involved in the design, development, implementation, and maintenance of computer systems and software, requiring knowledge of computer operating systems, programming languages, and software development.

**9th Grade Course:** Intro to Digital Technology





# On to Other Electives

(if you have room  
in your schedule :)

- **Fundamentals of the Music Industry:**  
an intro to the business of music.
- **Beginning Keyboard (Piano):**  
introduces basic piano keyboard techniques.
- **Journalism (Yearbook):** focuses on journalistic writing through analysis of newspapers, yearbooks, literary magazines, and broadcast journalism publications.
- **Intro to Music Technology:** Students will learn the concepts of music technology, and its use in current music production methods.





# Academic Elective:

## AP Computer Science Principles

New in 2019-2020! The AP CSP course is designed to be equivalent to a first- semester introductory college computing course, and offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts.

While not officially a pathway, AP CSP will be the first in a series of progressive Computer Science courses offered through a new partnership with Georgia Tech.

A Polaroid-style photograph of a code editor showing JavaScript code. The code includes functions for updating photo descriptions and all images, using loops and DOM manipulation methods like getElementById and document.getElementById. The code is as follows:

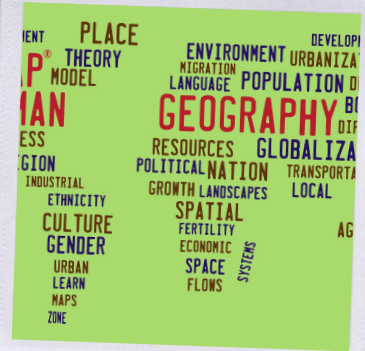
```
getPhotoDescription(cell) {  
  .getElementById(bigImageDesc).innerHTML = description;  
}  
  
updatePhotoDescription() {  
  descriptions.length > (page * 9) + (currentImage - 1) ?  
    document.getElementById(bigImageDesc).innerHTML = description :  
    document.getElementById(bigImageDesc).innerHTML = description;  
}  
  
updateAllImages() {  
  = 1;  
  for (i < 10) {  
    var elementId = 'foto' + i;  
    var elementIdBig = 'bigImage' + i;  
    if (page * 9 + i - 1 < photos.length) {  
      document.getElementById(elementId).src = 'img/' + photos[i - 1].src;  
      document.getElementByIdBig(elementIdBig).src = 'img/' + photos[i - 1].src;  
    }  
  }  
}
```

# Academic Elective:

## AP Human Geography

AP Human Geography is a college-level course that introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socio-economic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications.

Students should be able to read college-level texts and apply the conventions of Standard Written English in their writing.





# Thanks!

## Any questions?

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