

Technology Education and PLTW (continued)

Grade 7:

Students will have the opportunity to participate in:

1. Computer Science for Innovators and Makers-Students will focus on using programming to combine hardware design and software development to create tangible and real life projects based upon computer science concepts and skills.
2. Green Architecture-Students will explore home design software and creations.
3. Scratch Encore-Students will focus on a computer science programming experience using the TIPP&SEE strategy to help navigate the Scratch interface while learning from example projects and creating their own.

Grade 8:

Students will have the opportunity to participate in:

1. App Creators-Students will focus on computationally analyzing and developing solutions to real world issues by creating a mobile app that uses computer science applications to positively affect society.
2. Artificial Intelligence (AI)-Students will focus on the fundamental knowledge of Artificial Intelligence and understanding AI's potential for good and harm. AI features hands-on and computer-based activities on AI concepts, ethical issues in AI, creative expression using AI, and how AI relates to the future in daily life and workplaces.
3. Automation and Robotics-Students will focus on building VEX robots and using coding software to operate the robots.

The technology education/PLTW teachers are:

Mrs. Sandra Castellano (Technology Education Grades 6 & 8; PLTW Grade 7)

Mrs. Nina Ingram, Unified Arts Department Chair (Technology Education Grades 6 & 7; PLTW Grade 8)

Mrs. Jill Orsini (PLTW Grades 6, 7, & 8)



Important Dates

Winter Concerts**
December 6, 7, & 8, 2021

Spring Concerts**
Week of May 16-20, 2022

**Concerts will occur following HCPS guidelines in place at time of concert dates.

Musical Dates
May 6 & 7, 2022

Rotation Dates for Unified Arts 2021-2022

Starting and Ending Dates

Quarter 1: September 8 - November 5

Quarter 2: November 8 - January 21

Quarter 3: January 24- March 31

Quarter 4: April 1 - June 10

Remember to check the Home Access Center (HAC) for updates of your student's Unified Arts grade AND specific Unified Arts syllabi.



Bel Air Middle School



Unified Arts



"Strength in Unity"

Welcome

Welcome to Bel Air Middle's Unified Arts. As part of this program of study, students' knowledge will be enhanced in the following areas: art, general music, health, PLTW, technology education, and world language. The Unified Arts program is a graded ten week rotation.

Technology Literacy can be defined as "the ability of an individual, working independently and with others, to responsibly, appropriately and effectively use technology tools to access, manage, integrate, evaluate, create and communicate information."

-MD Student Technology Literacy Consortium

Technology Education and PLTW

During the ten week quarter, technology education and PLTW (Project Lead the Way) courses give students a foundation for exploring interests and achieving success that can help them in a possible career and college degree along with practical and useful skills for their everyday lives. The real-life related experiences and instruction are broadly based, leading to a wider variety of future career options that they wouldn't have had an opportunity to know about otherwise.

6th Grade:

Students will have the opportunity to participate in:

1. Computer Science Discoveries-Students will focus on creating authentic artifacts and engaging with computer science while utilizing problem-solving and computing as well as web development.
2. Design and Modeling-Students will focus on the Engineering Design Process and 3D computer drawing.
3. Introduction to Scratch-Students will focus on an introductory creative computing experience utilizing the Scratch programming language. It provides an interactive environment to create programs by dragging blocks of code that encompass computational creativity and thinking.



Art

The visual arts support the student's ability to solve problems creatively, think critically, and persevere through challenges. In this ten week art course, students will be charged with exploring 4 fundamental areas of visual literacy: Drawing, Painting, Three-Dimensional Design (Sculpture), and Visual Communication (Two-Dimensional Design). Students will use visual art as a tool to communicate and express their own original ideas while drawing inspiration from art history, contemporary art, art of other cultures, and the world around them.

The art teachers are:

Mrs. Jennifer Byrne

Ms. Caitlyn O'Neal



General Music

During the ten week quarter, students are exposed to various music topics/themes as well as two instruments: the guitar and piano. Grades are based on classwork related to the subject and instruments, basic music reading skills, and practicing habits/preparation on instruments.

The general music teachers are:

Ms. Patti Bales (also Chorus Director)

Mr. Justin Nines (also Orchestra Director)

Mrs. Crystal Smith

***Mrs. Sherri Domenico, Music Department Chair and Band Director



Health

Health Education is a ten week program which offers Bel Air Middle School students the opportunity to explore various aspects of healthy living and identify ways to implement these practices in their own lives. The National Health Standards that are taught throughout middle school are:

1. Comprehending Core Concepts
2. Analyzing Internal and External Influences
3. Accessing Valid Information
4. Interpersonal Communication Skills
5. Health Enhancing Decision Making Skills
6. Goal Setting Skills
7. Self-Management of Healthy Behaviors
8. Advocate for Self and Others

The health teachers are:

Mrs. Kathy Deyesu

Mrs. Erin Grad



World Language

iHola! Bonjour! Guten Tag!

This ten week course in Discovery French, Spanish or German seeks to prepare students to be well-rounded citizens who can participate in a global society! Students will practice basic communication skills in the various languages as well as develop a respect for the culture and social mores of the people who speak each language.

6th graders will be taking Spanish
7th graders will be taking French
8th graders will be taking German

The world language teachers are:

Ms. Brittany Csar

Mrs. Amber Wilson