

PLTW-Grade 8

PLTW (Project Lead the Way) in the middle school is a critical component of a well-rounded education. PLTW gives 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.

Project Lead The Way empowers students with the following skills - problem-solving strategies, critical thinking and creatively, communicating and collaborating with others, and perseverance when something does not work the first time - relevant to any career or role they take on. They are also given opportunities to practice applying creativity while designing.

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 effect society.
2. Automation and Robotics-Students will focus on building VEX robots and using coding software to operate the robots.
3. 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.

The PLTW teachers are:

Mrs. Sandra Castellano

Mrs. Nina Ingram, Unified Arts Department Chair

Mrs. Jill Orsini



CAUTION
Programming
is addictive
(and too much fun)

Important Dates

Spring Concerts

TBD

Rotation Dates for Unified Arts 2020-2021

Starting and Ending Dates

Quarter 1: September 8 - November 6

Quarter 2: November 11 - January 22

Quarter 3: January 25- March 31

(Spring Break) April 2- April 5

Quarter 4: April 1 - June 11

**** Date could change due to possible
Inclement weather dates**

Possible Inclement Make-up Days:

June 14-18, 21

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

8-20

Bel Air Middle School



Unified Arts

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We may all be
different,
but at BAMS,
we ALL swim together!

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, computer education, music, PLTW, health, and foreign 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

Computer Education and PLTW-Grades 6 & 7

6th and 7th Grades Computer Education:

During the ten week quarter students will acquire proper keyboarding skills. Students will utilize applications such as Microsoft Office 2016 and the Internet to complete word processing, spreadsheet, database, computer graphics, publishing, presentation activities, coding, and utilizing various platforms for online communication. Information on Internet safety is also introduced. All integrated activities incorporate the Maryland Technology Literacy Standards for Students and ISTE Standards.

The computer education teachers are:

Mrs. Sandra Castellano

Mrs. Nina Ingram, Unified Arts Department Chair

6th and 7th Grades PLTW:

During the ten week quarter students will have the opportunity to see real world application of things in their daily life.

6th Graders in Design and Modeling will focus on the Engineering Design Process, Measurement, Sketching, and 3D computer drawing.

7th graders in Energy and the Environment will focus on STEM, Engineering Design Process, Energy Sources, Forms of Energy, and Heat Transfer.

The PLTW teacher is:

Mrs. Jill Orsini



Art

During the ten week quarter, students will produce art as they are guided through the creative process while they respond and make connections to their work, the work of others and the world around them. Students will work in the areas of drawing, painting, 3D design, and visual communication. Students will also learn to apply correct artistic vocabulary when speaking or writing about visual concepts, media and techniques in their works of art and the works of others.

The art teacher is:

Mrs. Trish Griglock



General Music

During the ten week quarter, all students will be exposed to basic music reading skills as well as the following topics:

6th Grade- Music of World Cultures

7th Grade- Eras of Music from the Middle Ages through the 20th Century

8th Grade- History of American Music and Genres

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



Foreign 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 foreign language teachers are:

Ms. Brittany Csar

Mrs. Amber Wilson