



# **Hanshew** Middle School

*Technology  
Electives*

## INSTRUCTOR

Elizabeth Cuddihy  
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**Class website:**  
<https://sites.google.com/asdk12.net/cuddihywebsite/pltw-cs>



## STUDENTS learn...

- Problem-solving
- Creativity
- Communication skills

**Computer Technology** is a semester-long, elective class for 7<sup>th</sup> graders in which students are introduced to keyboarding, word processing, desktop publishing, graphic art, spreadsheets, and multimedia projects. They also explore career pathways and review Internet safety.

**Multimedia** is another technology-based semester-long class for 7<sup>th</sup> graders. Students in this class will explore ways in which to communicate using text, audio, video, images/graphics, and animation. They will use computers in a way to merge digital technologies for the purpose of conveying information in an engaging and entertaining way.

**Advanced Computer Technology** is a semester-long, elective class for 8<sup>th</sup> graders providing a more advanced approach to using computer apps. Students will keyboard and construct numerous projects as they advance their skills in the areas of: word processing, desktop publishing, graphic art, spreadsheets, and multimedia. They will review Internet safety and explore career pathways.

**PLTW: Computer Science: Innovators & Makers (CSIM)** is a semester long class for 8<sup>th</sup> graders. Students are introduced to computer science as a way of thinking, through a problem-based curriculum. CSIM instills the ideas and practices of computational thinking and invites students to understand how computing changes the world. Students learn by constructing their understanding in collaboration with their peers while solving problems using technology and programming ([pltw.org](http://pltw.org)).

## INSTRUCTOR

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**Applied Technology** is a semester-long, elective class for 7<sup>th</sup> and 8<sup>th</sup> graders. Students in this class will explore many different aspects of technology. Students are introduced to Communication, Power, Energy, Transportation, Manufacturing, Construction and Career awareness. Students apply Engineering Design Principles to create, design and produce working prototypes.

Students will also study the design process and develop an understanding of the influence of creativity and innovation in their lives. Students will practice using technical tools and skills along with the design process to create solutions to unique challenges.

## INSTRUCTOR

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## Computers 6/7/8

**(Yearbook)** is a year-long, elective class for 8<sup>th</sup> graders during which the students and teacher work closely together to produce Hanshew Middle School's annual yearbook. Students will gain skills in page design, advanced publishing techniques, photography, photo-editing and composition while producing a creative, innovative yearbook that records school memories and events. Student will gain useful, real world skills in time management, marketing, teamwork, and design principles. Students will also learn many aspects of publication production as the yearbook is designed and produced.

*"We need to embrace technology to make learning more engaging. Because when students are engaged and they are interested, that's where learning takes place."*