

## Technology Lab



Technology Lab is a great way to learn about technology and computers. Here are a few things you will get to experience if you take Tech Lab:

- Graphic Design
- Web Page Design
- Problem Solving with Contraptions
- Bridge Designs
- Computer Hardware and Software
- Desktop Publishing

Learn to take a computer apart and put it back together, make your own web page, and design your own T-Shirt art. Taking Tech Lab is a great way learn some high-tech skills plus, it meets one of your graduation requirements. And, it's fun! If you don't know where to start in the world of technology, this is the class for you. Technology Lab gives you a taste of over a dozen different topics.

## Computer Programming Languages 1,2, and 3

Computer Programming is a hands-on class where you design and code your own programs. Students work in a dedicated computer lab while learning modern programming methods. Students in Computer Programming I learn about:

- Graphic design
- Sound integration
- Robotics
- 2D Game design
- Animation
- Key Programming Concepts

At the end of the semester, every student will have learned enough about programming to design and build there own 2D game as a final project.

Programming 2 and 3 provides students who have done well in Programming I have the opportunity to strengthen their skills with additional concepts such as:

- Encoding/Decoding
- Advanced Graphics
- 3D World Design
- 3D Game Design

Students use the latest 3D design software to create objects and animations for advanced projects and are able to build a final project of their choice.



**Program your own game...  
...Share it with friends!**

## Drafting 1,2,3,4

Thinking about a career in Engineering, Architecture, Interior Design or Construction? Don't miss an opportunity to get ahead with a class in Drafting. Drafting class teaches you a variety of skills including:

- 2D and 3D Design
- Sketching and Visualization
- Scale Modeling
- Graphic Design
- Understanding Plans

In this hands-on class you will experience how to draw on both the computer and with traditional mechanical drawing tools. Beginning students will learn how to design a 3D mountain cabin, advanced students design and create house plans, machine parts with a CNC mill and build scale models.



### TIP!

**All of the course offerings in this flier meet West High's graduation requirements in the Practical Arts area.**

## Production Technology / Wood Shop

Woods Production is a hands on class where students learn to process materials in a safe manner. Students learn to use a variety of power tools and equipment while building various projects. Proper safety and operation of tools and equipment is emphasized. If you are interested in building a unique and custom project, then wood shop is the place for you. Custom laser engraved graphics help personalize your project. High quality projects are continually being produced in wood shop. Sign up and create your own unique project! The fun doesn't end with Woods 1, students who are interested in building additional projects can sign up for Woods 2, Woods 3 and even Woods 4! Become a part of the excellent woods program offered here at West High! Got Skills?



## Tech Ed!

If you are looking for a great starter class, consider Tech Ed and its follow up, Tech Ed 2! These hands on classes direct the student in problem solving and design. Students design and build mechanisms to solve problems, use machines and tools to process materials and work on dynamic individual and group projects. Lots of fun in this unique and interesting class!



## Technology Student Association (TSA)

Join the West High student chapter of TSA and enjoy after school access to the Production Lab. Open shop is sponsored by TSA club. It's a place to join friends, use the shop facility and design things like CO2 cars, Mag-Lev vehicles, laser engravings and more. Get geared up for the annual spring Montana State Technology Student Conference. BWHS has a great track record when it comes to bringing home technology awards. Students representing West High will be allowed days off to meet with teens from all over Montana for two days of technology events and competition.

Develop your leadership skills and become active in the field of technology while having fun with friends and using the Production Lab to work on your own projects.



WESTECH

## Billings West High Technology Education



**Hands-On  
Learning**

**Got Skills?**