

# Sentinel Academics

2014-15 School Year

[www.mcpsmt.org/sentinel](http://www.mcpsmt.org/sentinel)

## GET A *Running Start* AT SENTINEL HIGH SCHOOL

### DIGITAL MEDIA ACADEMY

Fall 2014 will launch Sentinel's Digital Media Academy, whose mission is to provide students a hands-on experience in digital storytelling in the fields of film and television, photography and animation, computer programming, print and broadcast journalism, web design and graphic design. The academy allows students to explore career pathways of interest, with an emphasis on career and college readiness. Students will complete senior projects related to their focus area and earn special recognition at graduation. Students also have opportunities to earn industry certifications, college credit, internships, awards and other recognition through these programs. One goal of the DMA

is to increase community partnerships. At this time, the DMA is working with MCAT, PBS NewsHour in Washington, DC and Montana PBS, the University of Montana Schools of Journalism and Media Arts, and the Montana Journalism Education Association.

- Students will receive hands-on experience working in teams to produce multimedia and print coverage of SHS and the local community.
- Students will gain experience working in professional quality broadcast studio, producing weekly newscasts as well as three hours of original programming each week to be aired on MCAT.
- Students may receive up to 15 credits at the University of Montana through the School of Journalism, School of Media Arts and the Missoula College.
- Students in the Video Broadcast Journalism and Spartan TV will work with PBS NewsHour and Montana PBS to produce documentaries for the national stage.
- Students will cover stories for digital and print news operations and keep the daily pulse on the SHS community.



### MARKETING

LARGEST PROGRAM IN MONTANA

- Introduction to Business
- Marketing Management
- Entrepreneurship
- Global Business Issues

The six semester Marketing program is also responsible for operating the Sparta Mart, Sentinel's two-location school store. The store functions as a "learning laboratory" that benefits marketing students by providing them with real-world experiences that will enhance their future professional opportunities. In addition, students enrolling in Marketing III & IV have the option of Dual Enrollment in BGEN 105, Introduction to Business, and can earn 3 college credits through the University of Montana.

THE CO-CURRICULAR  
DECA CHAPTER—THE  
LARGEST IN THE STATE  
OF MONTANA WITH OVER  
100 STUDENT MEMBERS—  
SERVES AS A MODEL  
PROGRAM IN THE STATE.

This freshman experience is designed to increase the depth of student learning by integrating concepts from English, Integrated Earth, Space, & Physical Science (IESPS), Introduction to Art, and Tech Tools. Students use what they learn in each of these classes to work on combined



Visit to the Selway

projects, present information, and travel around the state for hands-on, meaningful application of ideas.

Students will attain 21st century knowledge in addition to practical skills such as note-taking, organization, and time management. These skills are vital for success in the final three years of high school, and will help our students be college and career ready, as required by the Common Core State Standards.

### JOURNEYS FRESHMEN EXPERIENCE

JOURNEYS – SMALLER LEARNING COMMUNITIES DESIGNED TO EASE  
THE TRANSITION FROM MIDDLE TO HIGH SCHOOL

### COMPUTER SCIENCE

WANT TO BE THE NEXT BILL GATES?

WANT TO APPLY YOURSELF TO SOLVING HOMELAND OR NATIONAL  
SECURITY ISSUES USING A COMPUTER?

INTERESTED IN EARNING \$80,000 A YEAR STRAIGHT OUT OF COLLEGE?

Students can start that path by taking the four semesters of Computer Science offered at Sentinel. We are one of the few high schools in the state that give high school students a start in Computer Science. Currently, we have two businesses in town that have pledged to contribute \$1000 a semester to students working on "solving significant problems."



Scan for more information about Sentinel



# College & Career Opportunities

## ENGINEERING & COMPUTER SCIENCE

PROJECT LEAD THE WAY COMES TO SENTINEL



### Courses

Project Lead the Way is a sequence of courses which follows a proven hands-on, real world problem-solving approach to learning.

- Introduction to Engineering Design
- Principles of Engineering
- Computer Science & Software Engineering

## ADVANCED PLACEMENT

A UNIQUE LEARNING EXPERIENCE THAT WILL HELP STUDENTS SUCCEED IN COLLEGE

Through AP's college-level courses and exams, students can earn university credit and/or Advanced Placement, stand out in the admission process, and learn from some of the most skilled, dedicated, and inspiring teachers in the world. Missoula County Public Schools' AP program currently holds prestigious placement on the 2nd Annual AP Honor Roll, a feat only 400 districts in the United States achieve!

The moment students enter an AP classroom, they notice the difference in the teacher's approach to the subject, in the attitude of their classmates and in the way they start to think. In AP classes, the focus is not on memorizing facts and figures. Instead students engage in intense discussions, collaboratively solve problems, and learn to write clearly and persuasively.

AP courses can help students acquire the skills and discipline they need to be successful in college. They improve their writing skills, sharpen their problem-solving abilities, and develop time management skills, discipline and study strategies.



BROADCAST JOURNALISM  
STUDENTS TRAVEL TO THE UOFM

## DUAL CREDIT

Through a cooperative agreement with The University of Montana & Missoula College, Sentinel offers several Dual Enrollment courses.

- Drafting Design 113 - 3 credits
- Drafting Design 114 - 3 credits
- Drafting Design 116 - 3 credits
- Math 115 - 3 credits
- Math 151 (Pre-Calculus) - 4 credits
- Math 162 (Applied Calculus) - 4 credits
- Writing 101 - 3 credits
- Radio/TV 151 - 3 credits
- Media Literacy & History - 3 credits
- Introduction to Business - 3 credits
- Introduction to Media Arts - 3 credits
- Digital Technology in the Arts - 3 credits

Students qualifying for dual enrollment register at The UM or Missoula College, but take the courses at Sentinel. Students do all of the required high school curriculum and take The UM final exam. For \$50 a credit, Sentinel students have the potential to earn up to 17 college credits while attending high school.



STUDENTS LEARN INDUSTRY  
STANDARD SOFTWARE, SUCH AS  
ADOBE PREMIERE PRO

## AP & Dual Credit Courses

- AP World History
- AP US History
- AP Government
- Writing 101
- AP English Literature
- AP English Language
- Radio/TV 151
- Media Literacy & History J100H
- Intro to Business (BGEN 105)
- Intro to Media Arts (MAR 101L)
- Digital Technology in the Arts (MAR 111A)
- Drafting Design (113, 114, 116)
- Honors Pre-Calculus (Math 151)
- Discrete Math (Math 115)
- AP Statistics
- AP Calculus AB
- AP Calculus BC
- Applied Calculus (Math 162)
- AP Biology
- AP Physics
- AP Chemistry
- AP Spanish

SENTINEL ~ A TRADITION OF  
EXCELLENCE FOR OVER 50 YEARS

## Adobe Certification Testing center

ADOBE CERTIFIED ASSOCIATE  
IMPROVES COLLEGE AND  
CAREER OPPORTUNITY FOR  
SENTINEL STUDENTS

Along with attainment of other core skills, Sentinel High School recognizes the value of professional credentials for students who seek careers in the state's burgeoning information-based employment sector, including multi-media and Web design. A certificate shows students are capable of learning in a business environment and the tools that are used within the industry. Students can test in Photoshop, Illustrator, InDesign, Flash, Dreamweaver and Premiere Pro. Additional testing in the future will include Microsoft and Autodesk software.