

**MEDFORD HIGH SCHOOL
COURSE SYLLABUS**

Department:	Science
Course Title:	Science Enrichment
Level and/or Grade:	Standard
Prerequisite:	none

Course Description:

The Science Enrichment course involves the completion of technology-enhanced projects to develop and to refine student 21st Century Learning skills using content-knowledge typically found the Sciences, Technology and Engineering standards.

Learning Standards: Students will be able to.....

- Produce and share collaborative projects on science-based topics including Laboratory Safety, Biology, Chemistry, Environmental Sciences, Technology, Human Physiology and Physics.
- Demonstrate knowledge of modern physical and geospatial sciences.
- Participate in community engagement and citizenship for the environment.
- Communicate effectively about community engagement and citizenship for the environment.
- Engage in scientific awareness and social equity.
- Read, critique and produce scientific journalism and multimedia.
- Engage in peer-review and peer-editing in Science.
- Debate bioethical issues.

Course Alignment with High School 21ST Century Learning Expectations:

Students will...

- Become self-directed learners.
- Communicate effectively.
- Apply problem-solving skills and critical and creative thinking.
- Use technology appropriately as a tool for learning, collaboration, presentation, research, and design.
- Act with integrity, respect and responsibility toward themselves, others and the environment.
- Exhibit flexibility and adaptability.
- Collaborate in diverse groups to share knowledge, build consensus, and achieve goals.
- Practice leadership in and service to their community.
- Become contributing citizens in a global society.

Assessment:

- See attached grading rubrics.