

	<p>Dual Enrollment</p> <p>STEM II: Applications</p>	
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**STEM: an educational concept that joins multiple disciplines into a single idea.**

**Course Description:** Dual Enrollment STEM II: Applications is a project-based learning experience for students who wish to further explore the dynamic range of STEM fields introduced in STEM I: Foundation. Building on the content and critical thinking frameworks of STEM I, this course asks students to apply the scientific inquiry and engineering design processes to multiple projects. Upon completion of this course, proficient students will have a thorough understanding of how scientists and engineers research problems and methodically apply STEM knowledge and skills; and they will be able to present and defend a scientific explanation and/or an engineering design solution to comprehensive STEM-related scenarios.

### **Topics to be covered in STEM: Foundations**

- **SAFETY** in the work setting (OSHA Certification)
- Career Exploration
- Lego Spike Coding (Drones)
- TinkerCAD projects (prototyping solutions)

Projects will be graded with the use of project-specific rubrics

Supplies to be provided by student:

-Your mind