



9th Grade: Learning ABOUT Work / Career Awareness

Build an awareness of the variety of careers available and to begin to identify areas of interest. Students are aware of the role of post-secondary education. There is a focus on time and stress management, communication and collaboration, citizenship and self-awareness.

<u>Fall Semester</u>	<u>Spring Semester</u>	<u>Summer</u>
<ul style="list-style-type: none">• Camp/Orientation<ul style="list-style-type: none">○ Teambuilding○ Engineering Design Challenges○ Relationships – This is AoE• “Know Yourself” - theme• Organizational Skills• Developing study groups• Project-based learning<ul style="list-style-type: none">○ Survival Project○ Earthquake Towers○ The Martian○ Putt-Putt Project• Engineering Design Process<ul style="list-style-type: none">○ Definition of failure○ Failing forward○ Learning to take risk• Expose student to STEM careers<ul style="list-style-type: none">○ Guest Speakers○ Trip to Jordan Dam & Western Wake Water Treatment Facility○ Trip BASF and the landfill• Document and evaluate progress (ePortfolios)<ul style="list-style-type: none">○ Google site○ Engagement in learning process	<ul style="list-style-type: none">• Collaboration & Study Groups• Expose students to STEM careers<ul style="list-style-type: none">○ Industry tours○ Career speakers• Start to develop a 4-yr. plan course registration• Continue with the Engineering Design Process• Continue to Document and evaluate progress (ePortfolios)<ul style="list-style-type: none">○ Google site○ Engagement in the learning process• Technology Student Association (TSA)• Community Service Projects	<ul style="list-style-type: none">• Summer enrichment camps / programs• Volunteer



10th Grade: Learning ABOUT Work / Career Exploration

Experiences provide students with a deeper understanding of the workplace. Students explore career options to provide motivation and inform decision-making in high school and post-secondary education. There is a focus on building confidence and professionalism; creativity and innovation; and information literacy.

<u>Fall Semester</u>	<u>Spring Semester</u>	<u>Summer</u>
<ul style="list-style-type: none">• Review 4-yr. plan• Career Assessments/Interest Inventory• College and Career speakers• Teambuilding & Relationships<ul style="list-style-type: none">○ Building trust & relationships with off-campus learning experiences (Bond Park)• “Relationships” - theme• Presentation Skills & Professionalism• Project-based learning<ul style="list-style-type: none">○ Biology Honors & English II○ Global Issues○ Ethics• Document and evaluate progress (ePortfolios)<ul style="list-style-type: none">○ Organizational skills○ Engagement in learning process○ Google site	<ul style="list-style-type: none">• Presentation Skills & Professionalism• Communication skills<ul style="list-style-type: none">○ written communication for business○ listening skills• Job Shadowing• Informational Interviews• Guest speakers (Engineering Panel)• Project-based learning & Engineering Design Process<ul style="list-style-type: none">○ Flexible Automation & Robotics• Continue Engineering Design Process• Document and evaluate progress (ePortfolios)<ul style="list-style-type: none">○ Organizational skills○ Engagement in the learning process○ Google site• Technology Student Association (TSA)• Community Service Projects	<ul style="list-style-type: none">• Volunteer• Summer enrichment camps / program• College visits• Job shadow• Part-time jobs



11th Grade: Career Preparation

Experiences are designed to help students develop the basic foundation skills needed for college and career readiness. Students apply learning through practical experiences and interactions with professionals from industry and the community including problem-solving skills, teamwork, technical skills, and applied workplace skills. Students act in a professional manner, take responsibility for their actions and demonstrate time management skills.

<u>Fall Semester</u>	<u>Spring Semester</u>	<u>Summer</u>
<ul style="list-style-type: none">• Update 4-year plans• Business Mentors• “Find Your Voice” – theme• Critical Thinking• Leadership• Professionalism• Resume Development• Mock Interviews• Social Media & Personal Branding• Networking• Job Shadowing• Ethics• Internship prep• Engineering Design Process• College and Career Speakers• Internship Panel (speed networking)• Internship Summit• Trip to Jordan Lake Dam & EPA• PBL: Integrated projects and/or projects with business partners<ul style="list-style-type: none">○ Moonshot Project (working with “clients”)○ Bridge Project with POE (technical writing)• Electronic portfolio – Google site	<ul style="list-style-type: none">• Leadership development with Peer-to-Peer Mentor Program• Experiential Learning opportunities• Informational interviews• Networking with College interns and newly hired college grads• Guest speakers in the classroom• Business mentors• Work ethics• Internship prep continued• Update portfolio – Google sites• Technology Student Association (TSA)• Community Service Projects	<ul style="list-style-type: none">• College visits• Internship experience• Volunteer• Summer enrichment camps



Projected 12th Grade: Career Training

Students engage in training for post-secondary education and/or employment in a specific range of occupations. Students continue to refine the foundation skills needed for college and career success. Students apply learning through practical experiences in the workplace through internships and other work-based learning experiences with professionals from industry, college, and in the community.

<u>Fall Semester</u>	<u>Spring Semester</u>	<u>Summer</u>
<ul style="list-style-type: none">• Review & Update Career and High School Graduation Plan<ul style="list-style-type: none">○ Review courses, graduation requirements, and transcripts○ Refine college essay from last year○ Resume updates• Applying the Engineering Design Process within capstone course on (research paper, prototype, presentation, portfolio)• Project management• Senior Showcase Capstone Engineering project• “Making Your Mark on the World” - theme• internship presentations• Update portfolio	<ul style="list-style-type: none">• PBL: Integrated projects and/or projects with business partners Business simulations/scenarios English IV honors• Technical writing• Consultant work – local client• Experiential Learning opportunities• Technology Student Association (TSA)• Culminating team experience• Community Service Projects• Update portfolio• Senior banquet	<ul style="list-style-type: none">• Internship experience• Volunteer• Work experience