

**Satellite View Career Pathways Flyover for High School Students**

<b>If you want to</b>	<b>Look at Career Pathways for</b>	<b>If you're still in High School</b>	<b>Bonus points</b>
Make Videogames	Software Engineering, Digital Artist, ???	Take the most math you can: algebra, trig, geometry, calculus. If offered, take computer science, programming, electronics	Think about how a computer works, not just how games are played and won. Look at roleplaying sites and read fantasy, science fiction, and quest mythology; SAOF-Willamette HS Programming contest
Make Robots, Control Robots	Electrical Engineering, Computer Engineering, Software Engineering	Take the most math you can: algebra, trig, geometry, calculus – if offered, take electronics, physics, robotics, programming	Think about team games like Battle bots, Soccerbots, FIRST LEGO League, FIRST VEX Challenge, FIRST Robotics; SAOF-Willamette HS Programming Contest
Build Big Buildings, Roads, Bridges, Waterworks	Civil Engineering	Take the most math you can: algebra, trig, geometry, calculus – take chemistry and physics, too; if offered, take pre-engineering PTE classes like drafting, architecture, structural engineering	Environmental Engineering.
Make Alternative Energy really work	Civil Engineering	Take the most math you can: algebra, trig, geometry, calculus – take chemistry and physics, too; if offered, take pre-engineering PTE	Environmental Engineering, NWSE/ISEF

		classes like drafting, architecture, structural engineering, electronics	
Design the next new great gadget	Computer Engineering, Electrical Engineering	Take the most math you can: algebra, trig, geometry, calculus – if offered, take electronics, physics, robotics, programming	InvenTeams, NWSE/ ISEF
Work on pushing around individual atoms and other cutting edge nanotechnology	Chemical Engineering, Materials Science	Take the most math you can: algebra, trig, geometry, calculus – if offered, take chemistry, biology, electronics, physics,	NWSE/ ISEF, Science Bowl, internships
Dreaming up the next big application: Google, Facebook, or ...	Software Engineering	Take the most math you can: algebra, trig, geometry, calculus. If offered, take computer science, programming, electronics	SAOF-Willamette HS Programming Contest
Make lots of product in a better, faster, less expensive, less wasteful way	Manufacturing Engineering, Chemical Engineering	Take the most math you can: algebra, trig, geometry, calculus. If offered, take computer science, programming, electronics	Internships
Mine massive amounts of data to make information	Computer Science, Information Technology	Take the most math you can: algebra, trig, geometry, calculus. If offered, take computer science, programming	Classes that will help you understand how data is used: business, (some) history, accounting, sociology, statistics