# Science, Technology, Engineering & Math Sample Education Plan

| People who enter the Science, Technology, Engineering, and Math field enjoy creating, designing, planning, assembling, building, repairing, solving challenges with modern technology, have effective research skills, and can use mathematical and scientific principles in solving problems. | Characteristics of people working in this career field include:<br>•Environmental<br>•Realistic<br>•Perseverant<br>•Organized<br>•Structured<br>•Curious<br>•Creative<br>•Independent<br>•Good Eye-hand Coordination<br>•Investigative<br>•Builds/Repairs<br>•Logical | Sample Career Options:<br>•Graphics<br>•Technology<br>•Machining<br>•Engineer<br>•Media Support<br>•Design<br>•Energy and Utilities<br>•Architect<br>•Computer Programming<br>•Mechanic<br>•Cabinetmaking<br>•Information Technology<br>•Construction<br>•Scientist |
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## Grade 9

| Graduation Requirements | Elective Options |
|---|---|
| English | Intro to Art or Life Management I |
| Math | Virtual Enterprise I |
| Science | Digital Photography and Design, |
| Physical Education | World Geography/ AP Human Geography |
| Health/One Semester Elective | World Language, Exploring Computer Science |
| Elective | Yearbook |

## Grade 10

| Graduation Requirements | Elective Options |
|---|---|
| English | Virtual Enterprise I |
| Math | Digital Photography and Design |
| Science | Digital Video Production |
| Physical Education | Exploring Computer Science |
| World History | World Language |
| Elective | Yearbook |

## Grade 11

| Graduation Requirements | Elective Options |
|---|---|
| English | Biology, Honors Bio, AP Biology, Marine Biology |
| Math | Chemistry, AP Chemistry |
| U.S. History | AP Environmental Science, Physiology |
| Elective | Physics, AP Physics |
| Elective | AP Computer Sci A, Computer Graphics |
| | Exploring Computer Science A |
| | Visual Imagery, Honors Graphic Design |
| | Digital Photography and Design, Yearbook |
| | Offsite ROP Course |
| | World Language |

## Grade 12

| Graduation Requirements | Elective Options |
|---|---|
| English | Precalculus, AP Calculus, Any Math |
| U.S. Government/Economics | Chemistry, AP Chemistry |
| Elective | AP Environmental Science, Marine Biology |
| Elective | Physics, AP Physics, Physiology |
| Elective | AP Computer Science A, Computer Graphics |
| | Digital Video Production, Honors Graphic Design |
| | Digital Photography and Design, Visual Imagery |
| | Yearbook, Offsite ROP Course |
| | World Language |