Independent Technology is an activity-based course that provides students the opportunity to conduct advanced research and development activities in a variety of technology related areas of study. Some of these core areas include communication, manufacturing, construction, and power/transportation. A student or small group of students will be able to independently pursue new knowledge, skills, and technical problem solving opportunities in this course. Multiple independent areas of study can be explored over a typical semester or year within this course.

### Example Project Areas of Study

<table>
<thead>
<tr>
<th>A+ Certification</th>
<th>CNC</th>
<th>Linux OS</th>
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<tbody>
<tr>
<td>Aerodynamics</td>
<td>Computer Graphic Design</td>
<td>Manufacturing</td>
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<tr>
<td>Alternative Energy</td>
<td>Computer Programming</td>
<td>Material Science</td>
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<tr>
<td>Architectural Design</td>
<td>Computer Repair</td>
<td>Robotics</td>
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<tr>
<td>Audio Editing/Mixing</td>
<td>Digital Photography</td>
<td>Radio Communication</td>
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<tr>
<td>Build a Computer</td>
<td>Ecology &amp; Environment</td>
<td>Solar Energy</td>
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<tr>
<td>CAD</td>
<td>Electronics</td>
<td>Transportation</td>
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<tr>
<td>Communication</td>
<td>Fiber Optics</td>
<td>Video Production</td>
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<tr>
<td>Computer Aided Drafting</td>
<td>Human Powered Vehicles</td>
<td>Webpage Design</td>
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<tr>
<td>Computer Animation</td>
<td>Inventions &amp; Innovations</td>
<td>Robotics</td>
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<tr>
<td>3-D Computer Modeling</td>
<td>Lasers</td>
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### Procedure For Conducting An Independent Study Project

1. Complete a background feasibility study to determine if the Independent Contract can be completed. Items to consider might include; cost, time factor, material availability, machine and equipment resources, individual skills and knowledge base, and publication resources.
2. Discuss the contact feasibility and acquire approval from Mr. Williams to proceed from here.
3. Obtain and thoroughly complete a independent study contract form. (Draft Copy)
   a. **Problem/Objective** - Define your technical area of study and state problem objective.
   b. **Research** - Gather and identify all necessary information to propose a solution with a plan of action and needed materials to best meet your problem objective.
   c. **Process Steps** – Determine the process steps as it relates to completing your contract.
   d. **Evaluation** – Determine the criteria that the contract will be evaluated by.
   e. **Final Product or Skill Outcomes** – Identify and document.
   f. **Type Contract** – Locate and type the approved contract form. (Final Copy)
   g. **Parent and Student Signature** – Share the contract with your parent or guardian.
   h. **Application** - Work out the solution (do the work)
   i. **Weekly Log** - Log your daily activities and progress on the provided form.
   j. **Notebook** - Maintain your notebook with all related notes and research material.
Classroom Expectations
1. Always try to do your best!
2. Cooperate with and respect others.
3. During independent lab work, stay on task with the assigned activity.
4. Seek help from the teacher when needed.
5. Be in your assigned seat/area when the tardy bell rings, remain there until excused to do otherwise.
6. Be PREPARED! (Pencils, pens, books, calculator, usb memory devices, etc.)
7. You are responsible for makeup work, contact the teacher when returning from an absence.
8. The classroom Attendance Policy, Dress Code, and Rules of Conduct (Discipline), will all be consistent with the policies outlined in the CHS student handbook.

Grading & Attendance Policy
Your semester grade will be based on a percentage point system …
1. Daily attendance and participation credit is worth 10 points daily. (Can be made-up)
2. Students have up to three days from the date of an absence to provide a valid excuse to the attendance office. After three days, the absence will be classified as unexcused if no valid excuse has been received. 9th/10th Grade Attendance: 833-5763 | 11th/12th Grade Attendance: 833-5761
3. A classroom tardy will result in loss of half the daily credit (5 pts.)
4. Applied lab assignments and tests (approx. 70% of your grade)
5. Lab Assignments are to be done “in class” unless otherwise arranged or directed by teacher.
6. Extra credit assignments may be available upon request.
7. Elective classroom leadership activities are available for extra credit.
8. Grade Reports are available upon request by both the student and parent or guardian.

If you have questions or concerns, I can be reached via email at: kelly.williams@camas.wednet.edu or by phone at 360-833-5769. Our classroom website can be located at the following address... http://chs.camas.wednet.edu/tech/

Grading Scale - School Wide
A  100% to 92.5% of total points  C  76.4% to 72.5% of total points
A- 92.4% to 89.5% of total points  C- 72.4% to 69.5% of total points
B+ 89.4% to 86.5% of total points  D+ 69.4% to 64.5% of total points
B  86.4% to 82.5% of total points  D 64.4% to 59.5% of total points 59% & below is failing
B- 82.4% to 79.5% of total points  I Incomplete (6 week window for work completion)
C+ 79.4% to 76.5% of total points  NC No Credit

Course Lab Fee
There is a $5.00 lab fee “per semester” assessed to each student enrolled in this elective course.

________________________________________________________________________
Student Signature ___________________________ Date ______________

________________________________________________________________________
Parent or Guardian Signature ___________________________ Date ______________

Parents please include an "email address" if you have one available... I will make every effort to communicate with you as needed relating to your son or daughters progress in class. Thank you!

Home Email Contact ___________________________