Career and Technical Education

Course Distribution Technology-Based Programs

Issaquah School District

Fall, 2012

2012 Highlights

- 6th and 7th grade TechSmart coursework satisfies the high school technology proficiency graduation requirement. It was designed to specifically meet the latest OSPI Educational Technology standards.
- TEALS participation is now included in each high school. Increased numbers of students are enrolling in these courses.
- Enrollment in courses that focus on Computational Thinking as an integral component of the course are showing increased enrollment—with Skyline High School gaining the most.
- Students continue to have the option of testing out of the high school technology proficiency requirement.
- Student leadership opportunities are provided through robotics clubs (including FIRST Robotics), video clubs, and most recently, Technology Students of America.

**Some courses are not offered as Career and Technical Education Courses*

Technology Producer Programs

Technology Producer Programs center on helping students create technology rather than simply using technology. These programs help students learn to program, design, and publish their creations. Emphasis is placed on Computational Thinking:

- Formulating problems in a way that enables us to use a computer and other tools to help solve them.
- Logically organizing and analyzing data.
- Representing data through abstractions such as models and simulations.
- Automating solutions through algorithmic thinking (a series of ordered steps).
- Identifying, analyzing, and implementing possible solutions with the goal of achieving the most efficient and effective combination of steps and resources.
- Generalizing and transferring this problem solving process to a wide variety of problems.

Issaquah High School

- Intro to Computer Science*
- AP Computer Science*
- Website Design

Liberty High School

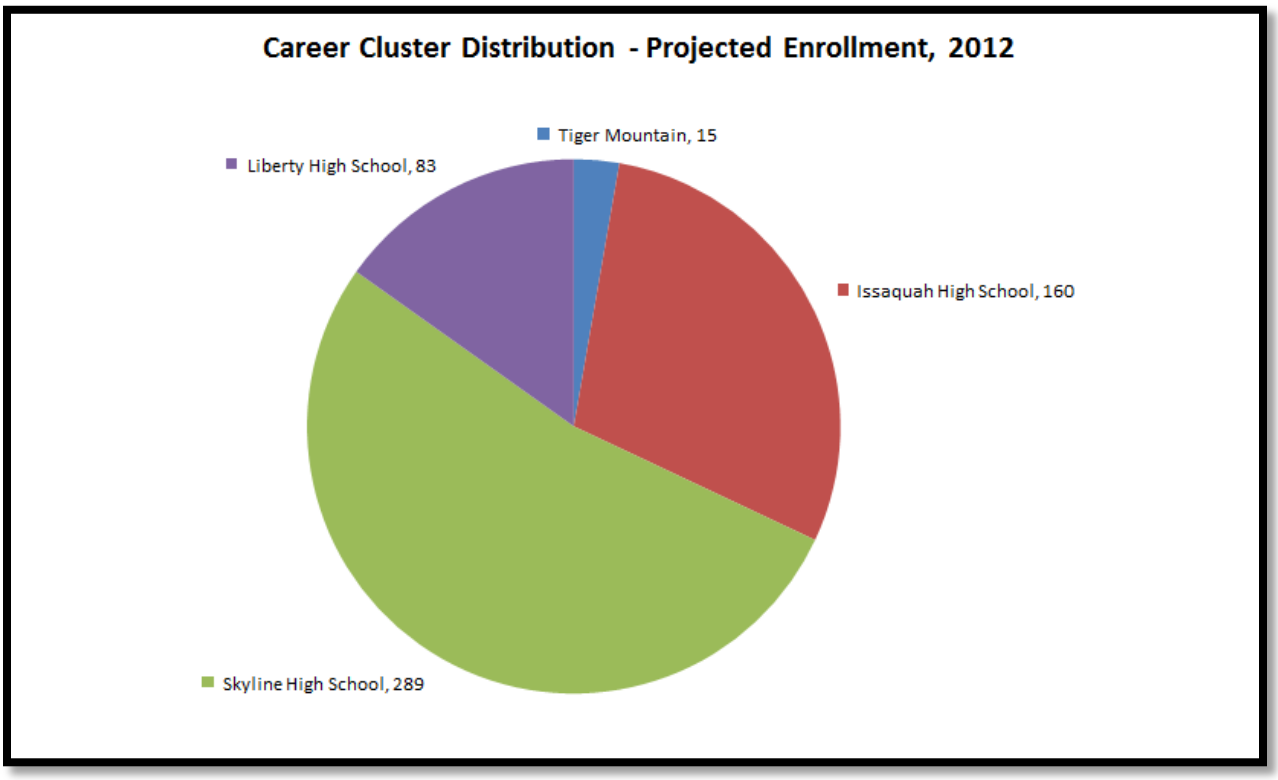
- Intro to Computer Science*
- AP Computer Science*

Skyline High School

- Intro to Computer Science*
- Website Design

Tiger Mountain Community High School

- Intro to Computer Science*



**Satisfies the ISD Technology Proficiency Graduation Requirement*

Technology User Programs

Technology User Programs center on skills development, literacy, and fluency in technology use. These programs help students use technology in both school and home environments.

Beaver Lake Middle School

- TechSmart (Grade 6)*
- Digital Photography 7/8
- Media/Tech

Issaquah Middle School

- TechSmart (Grade 6)*
- Digital Photography 7/8
- Video Media
- TV Production
- Multi Media

Maywood Middle School

- TechSmart (Grade 6)*
- Digital Design 7/8

Pacific Cascade Middle School

- TechSmart (Grade 7)*
- Video Production 7/8
- Video Production 6
- Digital Photo 6
- Advanced Video Production
- Digital Photography 7/8

Pine Lake Middle School

- TechSmart (Grade 6)*
- WAVE
- Digital Photo 6
- Video Production 7/8

Liberty High School

- Graphic Design
- Software Tech*
- Video Production, Intro
- Video Production

Issaquah High School

- Graphic Design
- Interactive Media

Skyline High School

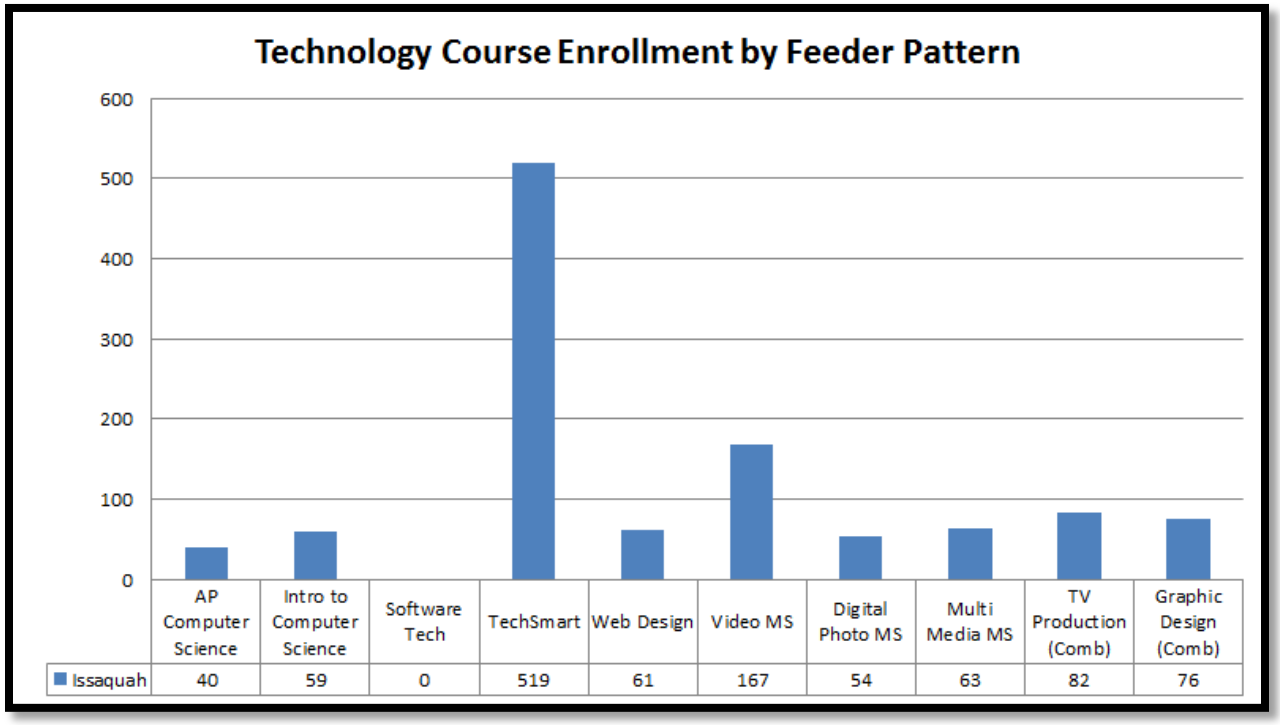
- Graphic Design
- Graphic Design 2
- Software Tech*
- Studio Graphic Arts
- Video Production 1
- Video Production 2

Tiger Mountain Community High School

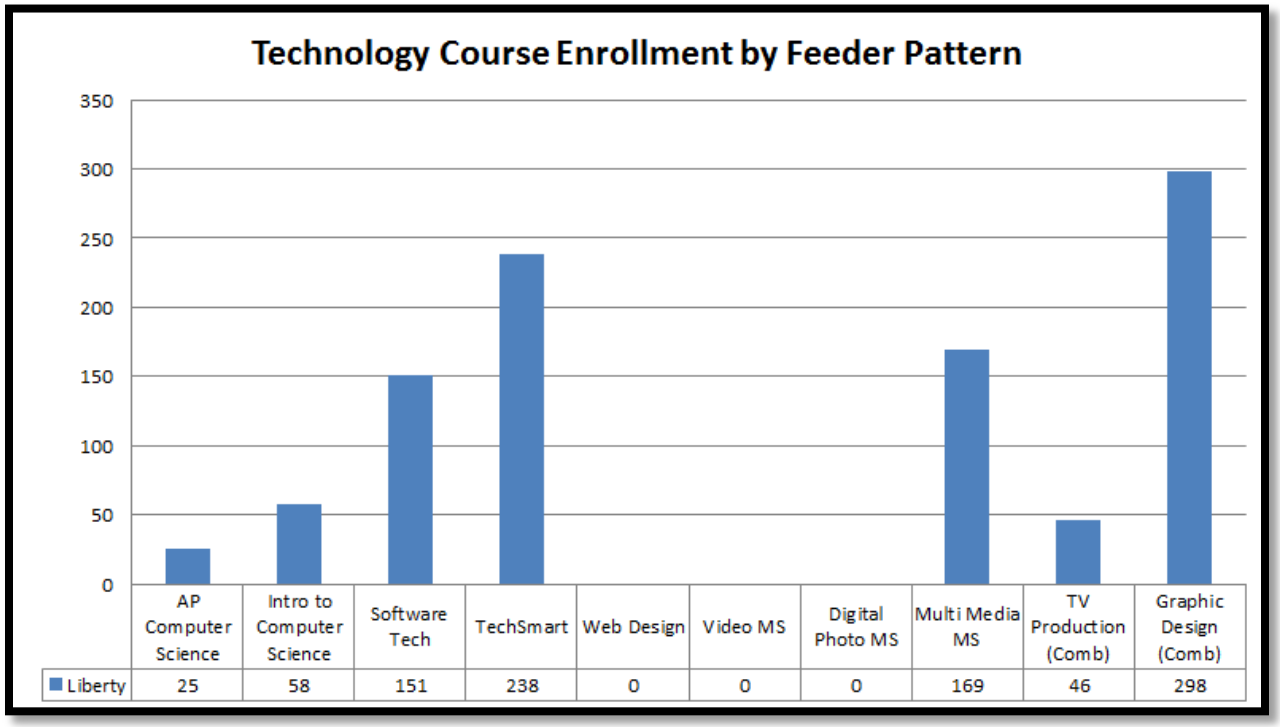
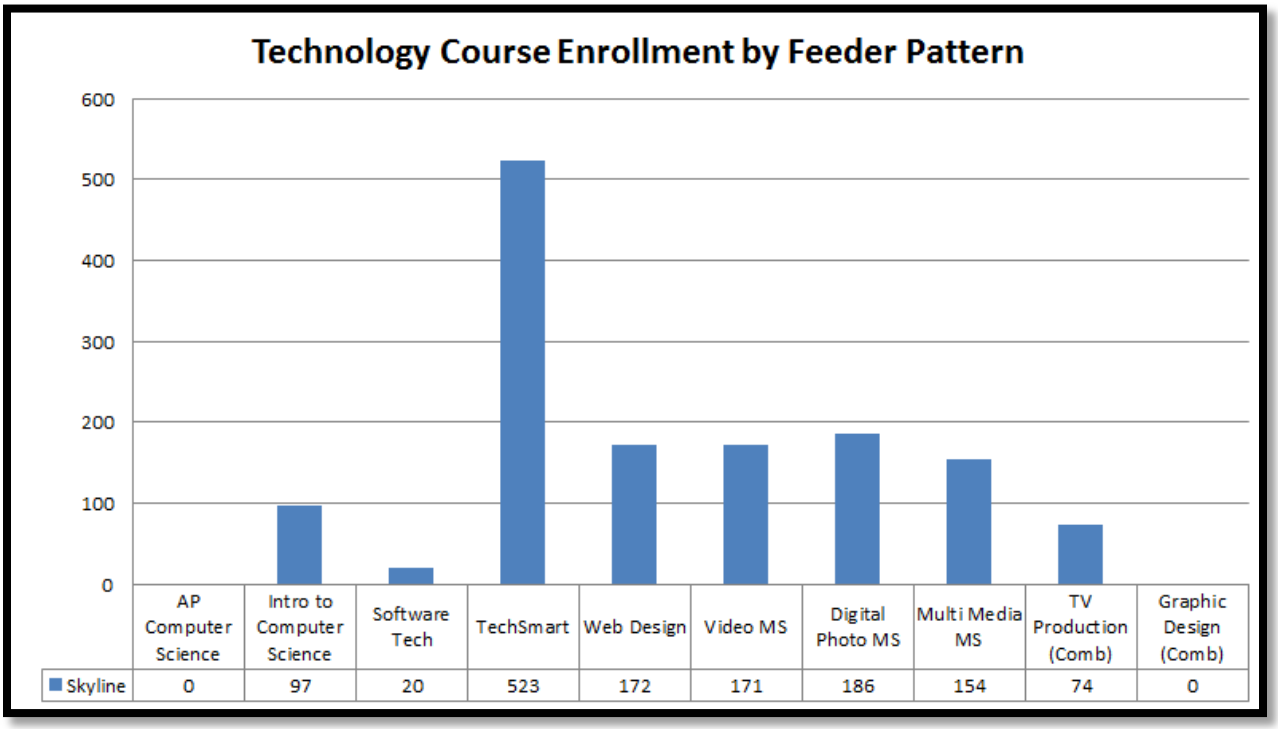
- Graphic Design
- Intro to Video Production
- Software Tech*

Technology User and Producer coursework:

Issaquah High School Feeder Pattern



Liberty High School Feeder Pattern



Skyline High School Feeder Pattern