invention bootcamp

June 26- July 21, 2017
At Portland State University

About:

Invention Bootcamp is a four-week, intensive education experience for 25 high school students. It is led by PSU faculty, Dr. Nathalie Neve and undergraduate engineering students. Students learn basic skills to develop a prototype by completing class-wide projects.

In parallel, students apply these skills to creating their own invention. At the end of Invention Bootcamp, students present their invention to the public. Students who are underrepresented in STEM fields are encouraged to apply.
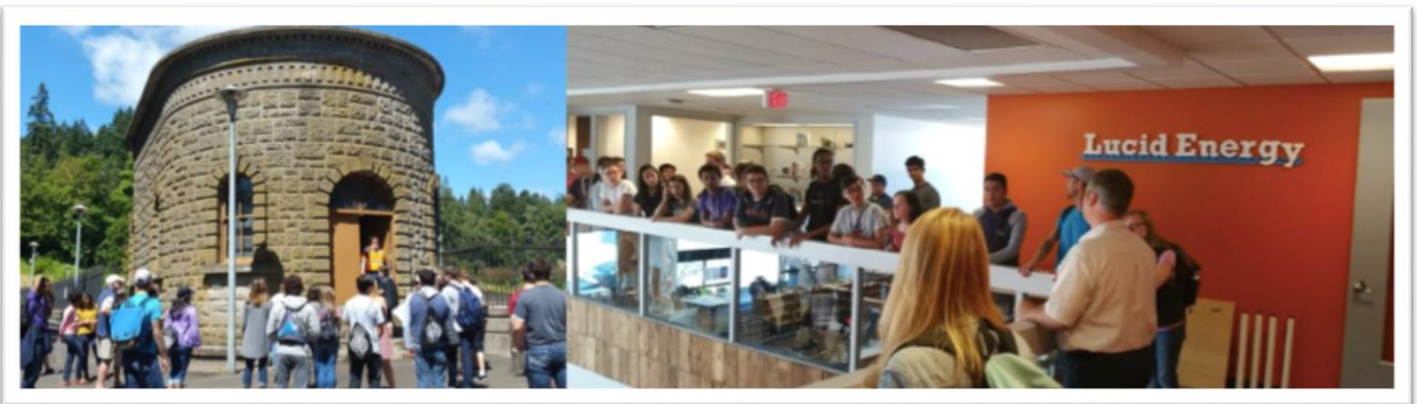

Bootcamp Highlights include:

- Guidance from PSU faculty and students
- Training in engineering software, computer programming, microcontrollers and electrical circuits
- Training in common engineering tools: soldering, 3D modeling, laser cutter, 3D printer, milling machine
- Design and fabricate own invention
- Weekly guest speakers
- Onsite visits to business and maker spaces
- Program Timeframe: 6/26-7/21: 10am - 3:30pm Monday- Friday

Application Requirements:

1. Brief application form (on website): https://www.pdx.edu/cecs/invention-bootcamp-how-to-apply
2. Letter of recommendation from one non-related adult (form included in application)
3. Design Prompt Response: Use your creativity to answer a design prompt (located on website)
   - Your design prompt must include:
     - Student name, age, and grade level
     - Answer the question: "How would you improve your school cafeteria?"
- **April 30th**: Applications due

Website: https://www.pdx.edu/cecs/invention-bootcamp **Questions**? Contact us at inventor@pdx.edu