

Invitation:

Thank you for your interest in the Invention Bootcamp at Portland State University.

Consider this a crash course in creating thinking. It's a chance to gain the skills you need to bring your wildest ideas to life, learn what it's like to attend a university, and be creative and innovative in a fun and rigorous environment.

**What you'll do:**

This four-week camp is designed specifically for curious high school students. During the course of the bootcamp, you will create your own invention, with the help of a PSU professor and multiple college students, who will guide you through the design and engineering process. You'll develop your ideas into awesome things by learning to use high tech engineering tools such as 3D printers, laser-cutters, and milling machines.

We will also visit local innovative companies, invite industry lecturers who will share their experience (for example, how did they get a job?!), and conduct a few experiments using research lab tools such as the DrydenDrop Tower, a world class research tool for studying microgravity, to name a few (check out this [fun video](#)).

**Who it's for:**

Diversity is critical to developing great ideas. We encourage students of all backgrounds to apply, particularly students of color and women. This program is geared toward 9-11th graders. However, interested seniors are also welcome to apply.

**How do you qualify:**

First of all, you do not need to know a single thing about engineering to qualify for this opportunity. You do need to prove that you're motivated, determined, and creative.

**What's the cost:**

This bootcamp has been entirely funded by the Lemelson Foundation, and as a result, we are not requiring any tuition or fee.

**How do you apply:**

**[Invention Bootcamp's Summer 2016 Application](#) is now LIVE and applications are being accepted until the April 30 due date.**

The application consists of:

- Online Student Application
- Online Student Recommendation from a high school teacher
- A two minute Youtube video (include your link in the application)

The application requires a good amount of time and effort, but so do all things worth doing. Please visit the website, <http://www.pdx.edu/cecs/invention-bootcamp> for further information.

We are very excited to see where your ideas will take us.

The Invention Bootcamp team

Nathalie Neve, Ph.D.,

Assistant Professor

Engineering Building, 402S

Department of Mechanical and Materials Engineering

Portland State University

Office: 503-725-2252