

SUMMER BRIDGE PROJECTS - ENGINEERING CHOICE BOARD

Take a College-Level Course

Register:

- [MIT Open Courseware](#)
- [Carnegie Mellon Open Learning Initiative](#)
- [Yale University Open Courses](#)
- [Coursera](#) (search for free engineering courses)

Already have a college or university in mind?

- Most institutions offer free virtual courses.
- Check out their website or explore [MOOC.org](#).

Create an eBook

Create:

- An eBook to inspire elementary students to see themselves as future engineers.

Review:

- [Examples of e-books created by high school students](#)

Create:

- Use [Book Creator](#) or other applications to create an eBook.

Select & Edit Videos

Select:

- Recorded or online videos of interviews with engineers
- Edit video to 2-minutes or less to showcase an exciting engineering topic.

Use FREE editing apps:

- [iMovie](#), [OpenShot](#), [Adobe Spark](#), or [MovieStudio](#)

Upload to [Wakelet](#) or [Pinterest](#).

Volunteer

Sign Up:

- For [VolunteerCrowd](#), a free app that finds academic-related opportunities to inspire students and help build their volunteer portfolio to impress colleges and employers.
- **Search** for STEM & Virtual Volunteering options that offer opportunities outside your community.

Create an Infographic!

Read:

- [Infographics: How Can They Improve Your Presentation?](#)

Research:

- Review online examples of effective infographics.

Do:

- Create an infographic representing career pathways in engineering.

Choose an application:

- [Google Slides](#)
- [MS PowerPoint](#)

Are you interested in a career in Engineering?



Use your summer vacation to enhance your college applications with one or more of these Summer Bridge Projects!

Create an Animated Sequence

Read:

- [What is an Animated Infographic Video?](#)

Watch:

- [10 Best Animated Infographic Templates](#)

Do: Use an animation creator application to highlight an engineering process.
Example: [PowToon](#) (Free)

Create a Unique Project

Turn your interests and talents into a summer-long project.

A few ideas:

- Tutor younger students.
- Teach yourself how to code with [Scratch-MIT](#).
- Create a webpage with [WIX](#).

Be an Entrepreneur

Start a business to offer a service in the community.

An idea:

- Create a tutoring service.
- Teach video-conferencing techniques.
- Offer basic computer skills.

Earn a Skill Badge

Sign Up:



[Agile \(Open P-Tech\)](#)

- Learn the foundational concepts of Agile and earn a digital badge from IBM.
- Master Agile – a new way of working and be ahead of the curve.

Create a STEM-Related Podcast

[Podcasts: 50 Ideas:](#)

- **Did You Know?** Share exciting information about engineering.
- **How-To:** Produce tutorials on STEM-related topics.
- **Thinking about the Future:** Feature interviews focused on what life will be like in the future.