

# Engineering Design Process

The U.S. has approximately 1.6 million engineering jobs. The engineering field makes up two-thirds of the American engineering workforce. These jobs will continue to grow as technology changes.

This unit aims to teach students how to help others by solving real-world problems using design thinking and 3D printing. Students will be challenged to empathize with others, understand a problem, then design a solution. Through the challenge, students will interview people, prototype and design solutions, then test them for success or failure. In the end, students will use 3D printing and presentations to finalize production and pitch their best ideas to the class.

