

CAREER BRIEF

(Grades K-2)

ENGINEER



WHAT IS AN ENGINEER?

- An engineer creates and builds different things
- There are many different kinds of engineers

WHAT DO ENGINEERS DO?

- Design projects
- Test projects to see if they work
- Make sure the projects they create are safe
- Civil Engineers are a kind of engineer that build roads, buildings and bridges

Fun Fact: *The Ferris wheel is regarded as one of the largest engineering wonders of the world. The first modern big wheel was built by Pittsburgh's George Washington Gale Ferris, an engineer for railway technology and bridge building, for the 1893 World's Columbian Exposition in Chicago.*

EDUCATION AND TRAINING

- Graduate from high school
- Go to college

SKILLS

- Work well with other engineers
- Find problems and help solve them
- Use computers

"Scientists study the world as it is; engineers create the world that has never been."

—Theodore von Karman, Hungarian-American mathematician, aerospace engineer, and physicist