



Moon, Mars & Beyond

Aerospace Engineers



WHAT DO THEY DO?

They design and build jet fighters, spaceships, rockets, planes, satellites – any craft that soars through or above the atmosphere.



DID YOU KNOW?

Aerospace engineers are developing vehicles to make space travel available to everyone.

FUTURE CHALLENGE!

Design better living and work modules for the International Space Station.

THINK ABOUT IT...

Are flying cars a good idea?

Learn more at www.egfi-k12.org

Engineering,
Go For It →

eGFI
Dream Up the Future



Teachers' Guide

Engineers are creative problem-solvers who make the world a better place. Space rockets, roller coasters, life-saving medicines, robots, video games – today's coolest technologies spring from the hands and minds of engineers. Use our eGFI cards to get your class thinking about the possibilities. Ask your students:

1. How many inventions?

List the different specialties illustrated or described on a card. How does each relate to this field of engineering? Which are current inventions and which are designs for the future?

2. What else do they – and could they – do?

Name other kinds of problems this type of engineer tackles, based on a card's information. What future designs or inventions could they devise, for fun or to help improve our lives?

3. What problems really need fixing?

List five daily irritations in your life. List five bigger challenges. How could engineers offer solutions?

4. What three engineering fields most attract you?

Explain why they seem important or appealing. Name the skills and sorts of knowledge each would require.