

# Where will I be in 10 years?

The 21 century...

our world we need: aerospace engineers  
scientists, engineers, technologists, and  
technicians



# What could an aerospace technology career mean for you?

- ◆ Aerospace workers that are professionals who work independently or as part of a team.
- ◆ To conduct research and design and develop vehicles and system for atmospheric and space environments
- ◆ High satisfaction and excellent compensation



# What education will you need beyond high school?

- ◆ Scientist and engineers 4 to 7 years
- ◆ 4 years minimum
- ◆ A good idea to have a doctorate ~ an additional 2 to 4 years



# How do you know if you want an aerospace career?

- ◆ If you think you would be interested in a career in aerospace technology, check your potential for success by answering the question to the side:
- ◆ If you answered yes to most of the questions , you may want to consider an aerospace career.
- ◆ Do you enjoy math or science?
- ◆ Do you have an inquisitive and searching mind?
- ◆ Are you interested in knowing what makes things work?
- ◆ Do you like to solve problems and puzzles?
- ◆ Do you like to create things?
- ◆ Do you enjoy learning?
- ◆ Do you enjoy working with computers?
- ◆ Do you like to build things?
- ◆ Are you prepared to study hard and do homework?
- ◆ Do you achieve good grades?



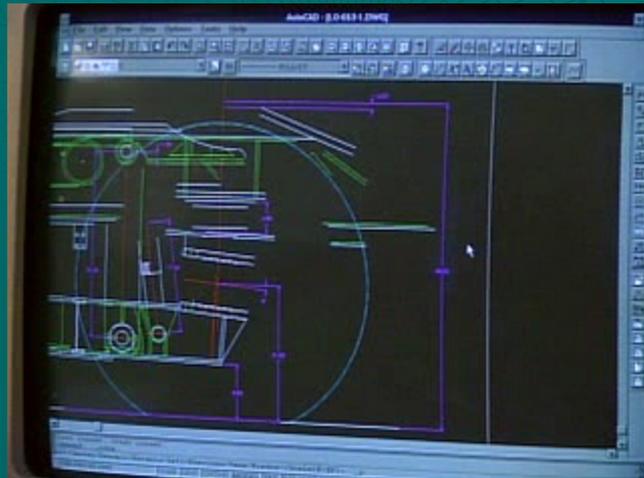
If you answered yes to most of the questions, you may want to consider an aerospace career.



**Come join us...**

# What should I do to prepare for an aerospace career now ?

- ◆ Education is a critical requirement. Mathematics and science are the basis for an aerospace technology career. Decision you make in school can affect your career possibilities.
- ◆ Some of the recommended high school courses are listed below:
  - ◆ Math
  - ◆ Calculus
  - ◆ Computers
  - ◆ Biology
  - ◆ Chemistry
  - ◆ Physics
  - ◆ English

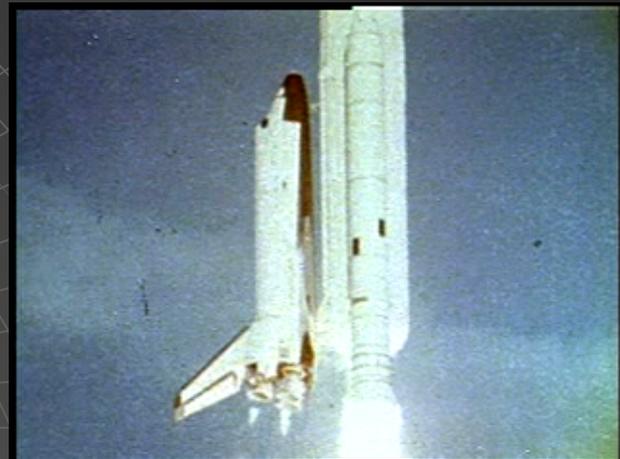


# How can I find out more about aerospace jobs?



- ◆ Contact people working in the aerospace field such as scientists, engineer and technicians.
- ◆ Your teacher or guidance counselor should be able to arrange this for you or your class.
- ◆ Visit your school and public libraries to get names of professional organizations you can contact for more information.
- ◆ Contact NASA personnel office closet to you if you would like additional information.

# Some kinds of aerospace careers



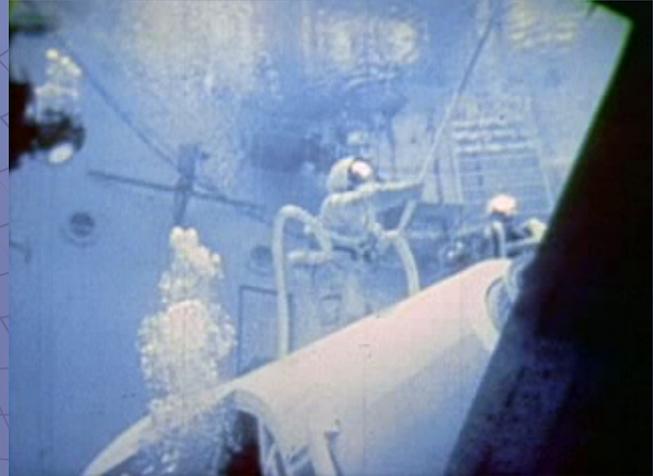
# Pilots and crew members of a space craft

- ◆ Pilot Astronaut
- ◆ Mission Specialist
- ◆ Payload Specialist



# Physical Scientists

- ◆ Astronomer
- ◆ Chemist
- ◆ Geologist
- ◆ Meteorologist
- ◆ Physicist
- ◆ Oceanographer



# Life Scientists

- ◆ Biologist
- ◆ Medical Doctor
- ◆ Physiologist
- ◆ Nutritionist
- ◆ Psychologist



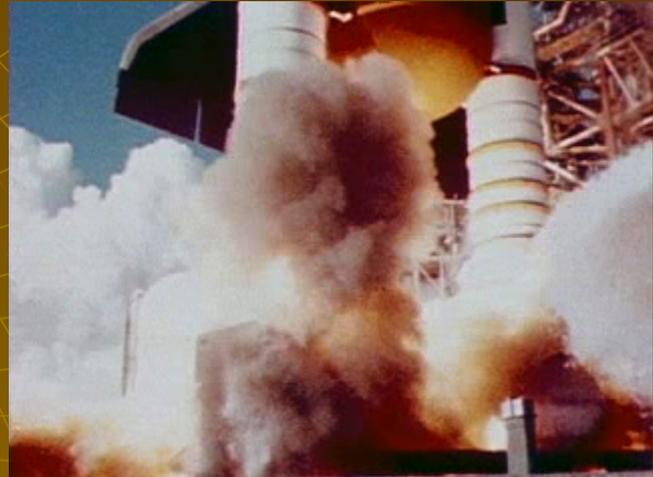
# Social Scientists



- ◆ Economist
- ◆ Sociologists

# Mathematicians

- ◆ Computer scientist
- ◆ Mathematician
- ◆ System analyst
- ◆ Statistician



# Engineers



- ◆ Aerospace/astronautics
- ◆ Chemical
- ◆ Civil
- ◆ Biomedical
- ◆ Computer
- ◆ Electrical
- ◆ Industrial
- ◆ Environmental
- ◆ Materials
- ◆ Mechanical
- ◆ Nuclear
- ◆ Petroleum
- ◆ Plastics
- ◆ Safety
- ◆ Systems

# Technicians

- ◆ Electrical/electronics
- ◆ Engineering
- ◆ Aerospace model
- ◆ Aircraft
- ◆ Avionics
- ◆ Fabrication
- ◆ Materials
- ◆ Pattern maker and modeler



# Engineering Designers

- ◆ Architectural
- ◆ Electrical
- ◆ Mechanical



# Technical Communicators

- ◆ Writer
- ◆ Artist
- ◆ Editor
- ◆ Educator specialist
- ◆ Public relations
- ◆ Audiovisual specialist
- ◆ Photographer



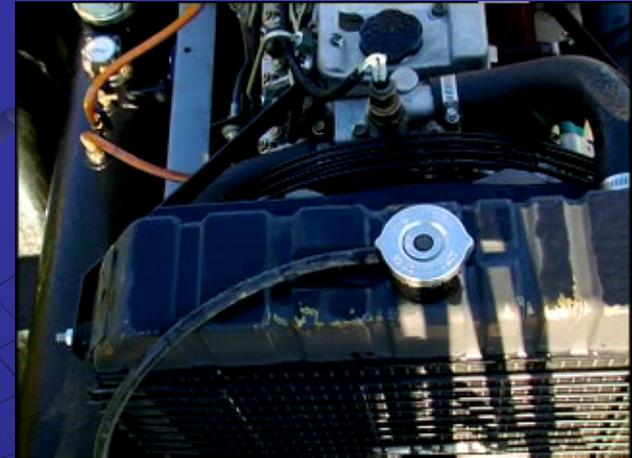
# Other fields

- ◆ Quality control inspector
- ◆ Ground radio operator
- ◆ Teletypes

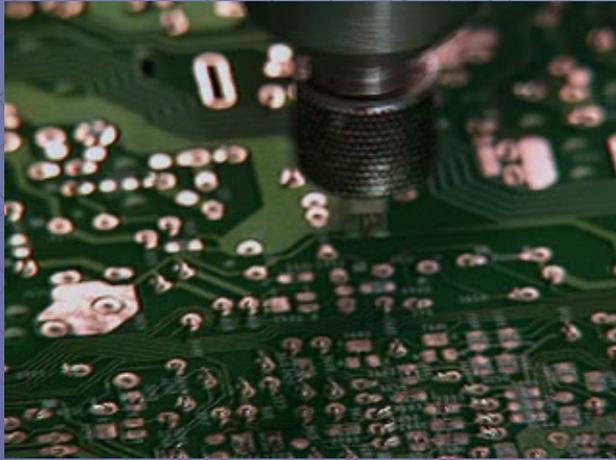


# What are engineers?

- ◆ People who make things work
- ◆ The work and ideas of engineers make achievement possible they make life interesting, comfortable and fun
- ◆ Computers, televisions, and satellites and communication industry depend on engineers
- ◆ Engineers will design safe and comfortable space stations for the 21 century



# What are technicians?



- ◆ They work closely with scientist and engineers to support their research
- ◆ Their skills are used to operate wind tunnels, work in laboratories, construct test equipment, build models and support many types of research

# What are scientists?

- ◆ Knowledge seekers, always searching out why things happen
- ◆ Always questioning
- ◆ Nature earth and all the universe are what fascinate then the scientist questions, seeks answers and expands knowledge

