



ACTIVITY 5 LOOK TO THE FUTURE/CAREERS IN SPACE

Since you were little, you probably connected space careers with astronauts, walking on the moon, Neil Armstrong, and space shuttles. Those certainly make a lasting impression, but you should probably know two things, if nothing else: first, not every space career involves hopping around in a big spacesuit, and second, there are lots of opportunities available for exciting space careers today. The following list of possible careers in the aerospace field is by no means exhaustive, but it gives an idea of the wide variety of things you can do and still be related to space. Check out these options. It might change your life.

<p>Research Science</p> <p>Astronomer</p> <ul style="list-style-type: none"> o Galactic o Planetary o Radio <p>Biologist</p> <p>Chemist</p> <p>Geologist</p> <ul style="list-style-type: none"> o Astrogeologist <p>Physicist</p> <ul style="list-style-type: none"> o Astrophysicist <p>Oceanographer</p> <p>Space Scientist</p>	<p>Engineering</p> <p>Aeronautical</p> <ul style="list-style-type: none"> o Aerospace o Rocket o Space Station <p>Chemical</p> <p>Computer</p> <p>Electrical</p> <p>Plastics</p> <p>Robotics</p> <p>Safety</p> <p>Software Test</p> <p>Systems</p>	<p>Mathematics</p> <p>Mathematician</p> <p>Systems Analyst</p> <p>Programmer</p> <p>Other Stuff</p> <p>Astronaut</p> <p>Technical Writer</p>
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SUGGESTED ACTIVITIES

- Pick a heading that sounds interesting to you, for example, ENGINEERING. Then pick a topic under that heading, such as ROBOTICS. Find out what Engineering Robotics is. To learn more about what it might be like to get ready for a career at NASA, go to: <http://www.nasa.gov/audience/forstudents/5-8/career/index.html>
- If you are a girl interested in pursuing a NASA career, check out: <http://women.nasa.gov/>
- Ready for a challenge that just might launch your career? Classes can register for and take the Exploration Design Challenge. The goal of the Exploration Design Challenge is for students to research and design ways to protect astronauts from space radiation. NASA and Lockheed Martin are developing the Orion spacecraft that will carry astronauts beyond low Earth orbit and on to an asteroid or Mars. Protecting astronauts from radiation on these distant travels is an important -- and very real -- problem that needs solving. NASA would like your help!

Go to: <http://www.nasa.gov/audience/foreducators/spacelife/explorationdesign/overview/index.html> and start the Challenge now!

