

AVIATION AND SPACE EDUCATION
PROJECT IDEAS

1. Design your own airplane and label the parts.
2. Can you unscramble the following aviation terms?
repopairl geyaer reanoil gesufael dreurd saplf
3. Write a letter that you would send to your country's head of government explaining why you feel aviation is important to the country.
4. Research the names of at least 5 women who have made important contributions to aviation and space. Write a brief description of what each did.
5. Write an essay on how the invention of the airplane has affected life in your town.
6. Build a simple model glider and have a contest with other students for a distance record. Write a short summary about what you learned in this activity.
7. Research how kites have been used. Who invented the kite? Can you design and build one?
8. Pretend you have been asked to go on a test flight for a new sport aircraft. Write a paragraph on what questions you would ask and reasons you would or would not like to go along.
9. You have just won a flight to travel 10,000 Km. Where would you like to go? Draw the trip on a world map and list the countries and cities you would cross. What geographic features (such as mountains, lakes or seas, etc) would you see?
10. List the different types of satellites that are in orbit. Describe how they are used and the type of information that is obtained from them. How is the information sent back to the earth's surface?
11. List the various forms of sport flying. Describe the one you would like to try. What kind of flying takes place at the airfield nearest your town?
12. If you were going to the moon, what would be some of the supplies you would need to survive after you left the space craft?
13. Research what is meant by flying the "great circle" route which airliners use for long distant flights. Demonstrate the principle on a globe.
14. Hot air balloons are big and beautiful.....but do you know where their lift force comes from? Explain how the pilot controls his altitude and flight path. What are the parts of a balloon?