

Bottle Rockets

1. Learn about the history of rockets.
2. Learn about air pressure.
3. Decorate a 2-liter empty soda bottle like a rocket
4. Use a bottle rocket launcher to launch your soda bottle rockets. Experiment with different ways to launch rockets—with water or without, fewer pumps of air (less pressure) or more pumps of air (more pressure).
5. Memorize Isaiah 40:31

Helps

1. You will find information online from sources like NASA and other children's science websites. The amount of detail you teach will depend on the age of your group. You can also find books on the subject from your library or a book store. Dr. Seuss and the Berenstain Bears have books on science that will give you a more simplified explanation of topics if you have younger children. There are many books available as children grow and you are looking for something more technical.
2. For learning about air pressure, you can also go online for resources. There are YouTube videos that you can show that demonstrate air pressure in fun ways or you can duplicate what you see. There are children's science websites and books as well. Again, the amount of detail will depend on the age of your group.
3. You can find ideas and instructions online.
4. *Soda Pop Rockets* by Paul Jarvis is a book that will give you many ideas for decorating a bottle rocket and building the launcher. You can also find ideas and instructions online.