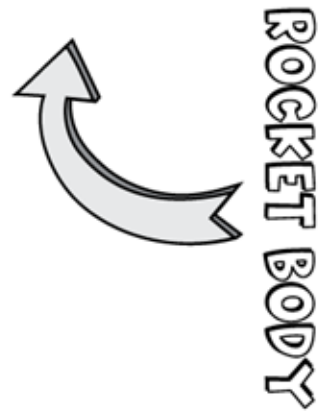
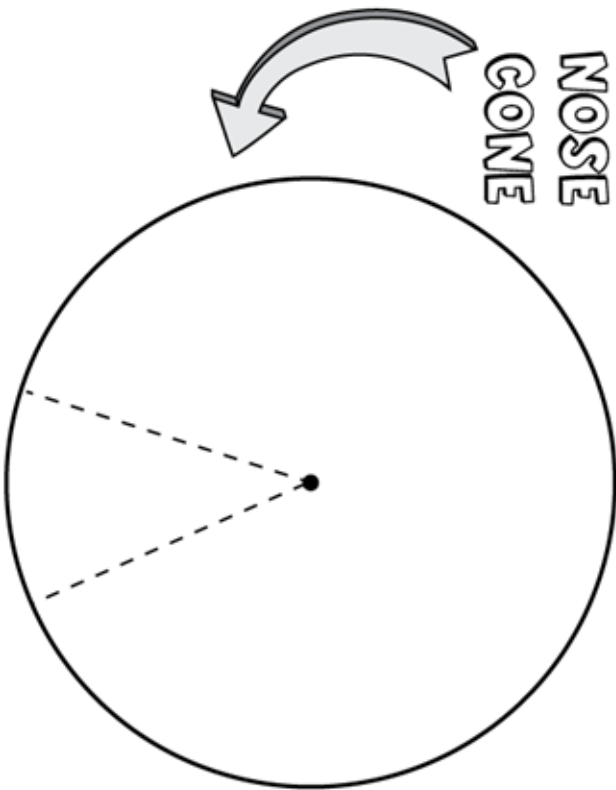
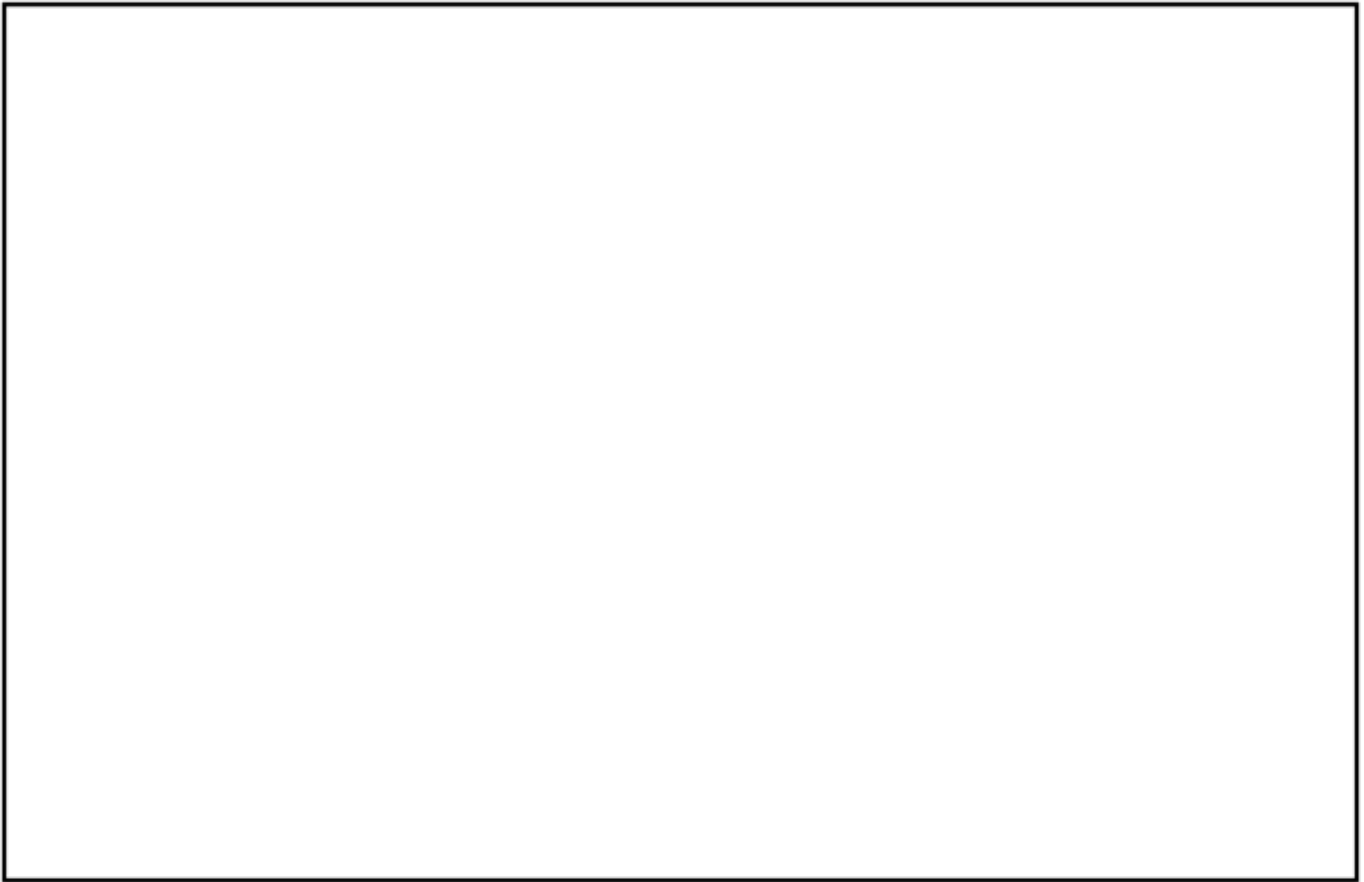


□ **Activity 3: Build Your Own Rocket**

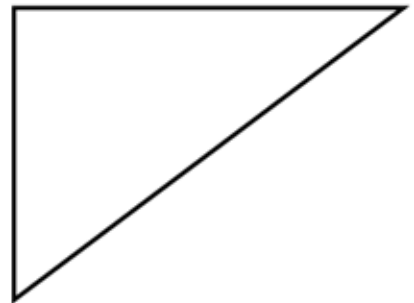
Would you like to build your own rocket? You can find instructions on page 115 of *Leap Into Space*. Use the "Rocket Template" page to build your rocket. Follow these steps to assemble your rocket body:

1. Use the rectangle template to trace the rocket body on a piece of plain paper or construction paper. Optionally, you can decorate the rocket. Roll the rectangle into a tall tube around the film canister and tape the edges of the paper together. Be careful not to tape the paper to the canister.
2. Cut out the nose cone template, as well as the dotted triangle. Trace the template onto a plain index card and cut it out. Overlap the ends of the circle to form a pointy cone and then tape in place.
3. Tape the cone to the rocket tube.
4. For better stability, use the fin template to cut out 3-4 fins from index cards. Tape these to the base of the rocket body.

NOTE: Ask a parent for assistance with this activity. If you do not have a 35-mm film canister, ask a parent about adapting the activity or looking online for a different version of the rocket.



FIN (x4)



Activity 3: Build Your Own Rocket

Assist your child with this activity. The paper should fit somewhat snugly around the film canister.

NOTE: If the rocket doesn't launch properly using the instructions in the book, your child can try placing the Alka-Seltzer tablet in the film canister with the water, putting the lid on, and setting the canister on the ground upside down. He should try to work quickly and have the rocket already on the canister (holding it as needed) before putting the tablet in and securing the lid. As the lid may pop open with some force, be sure he steps a safe distance away from it!

If you do not have a 35-mm film canister, you can try another version of the rocket by following the directions on this short YouTube video from Sick Science. It requires a 16-ounce plastic bottle and a rubber stopper, which can be purchased at a hardware or home improvement store.

Chemistry Rocket

www.movingbeyondthepage.com/link/8692/