Quick fact: The Big Dipper is an asterism (that means it’s part of a constellation). The seven stars in the Big Dipper are part of the Ursa Major constellation, a.k.a. the Great Bear.
Quick fact: Canis Major, a.k.a. the Greater Dog, has the brightest star in the night sky; its name is Sirius.
The Orion Lacing Activity

Quick fact: Orion, a.k.a. the Hunter, has seven main stars. It also has ten stars that have planets.
Create Your Own Rocket Ship!

YOU WILL NEED:

- White paint
- Paper towel tube (the body of the rocket)
- Paper espresso cup
- Triangular paper cup or create a cone out of construction paper (tip/cone of the rocket)
- Scissors
- Hot-glue gun
- Cardboard scraps
- Additional paint colors for decoration
- Washi tape and stickers, as desired
- Shredded paper strips (rocket flames)

DIRECTIONS:

1. Paint the paper towel tube, (the body of your rocket), the espresso cup, and the triangular paper cup white. Let them dry.
2. Cut a hole in the bottom of the espresso paper cup.
3. Put the paper towel roll through the cup so that the cup takes up an inch of space on the paper towel role.
4. Use the hot-glue gun to glue the cup to the paper towel role, and allow it to cool (ask an adult for help with the hot-glue gun).
5. Using your cardboard scraps, cut out long right angles; these will be the fins of your rocket.
6. Paint the fins of your rocket any color you like.
7. Once the body of your rocket has dried, take your additional paint colors and paint! Get creative and have fun! If you have washi tape and stickers, you can use those in your design.
8. Once everything has dried, glue the fins onto your rocket using the hot-glue gun (ask an adult for help with the hot-glue gun).
9. Add some shredded paper strips to mimic flames coming out of your rocket.
YOU WILL NEED:
- 2 cups baking soda
- 1 cup of water
- Black liquid watercolor paint
- 2 glitters: Glitter, black and silver

DIRECTIONS:
1. Put the baking soda in a bowl.
2. Add the water slowly.
3. Mix with your hands.
4. Add as much watercolor paint and glitter as you feel is necessary.
5. Continue to mix with your hands until all is mixed to your satisfaction!
Way up above in the sky, the Moon is lonely and wants a friend. On July 20, 1969, the Moon’s wish came true!

Read all about the Moon’s story in Moon’s First Friends, available wherever books are sold.

ISBN (9781492656807)
Balloon Rocket Activity

YOU WILL NEED:
• 2 chairs
• 5–10 feet of string
• 1 drinking straw
• Tape
• Scissors

DIRECTIONS:
1. Tie an end of yarn to the back of one of the chairs.
2. Push the piece of yarn through the straw, then tie the other end to the back of the other chair.
3. Pull the chairs apart as far as the yarn will allow.
4. Attach two pieces of tape to the drinking straw.
5. Blow up your balloon. Hold on to the end, but do not tie it.
6. Tape the balloon to the straw.
7. Pull the straw and the balloon all the way over to one of the chairs.
8. Let go of the balloon.

What happened to the balloon when you let go?
What happens if you experiment with how much air you blow into the balloon? What makes the balloon go faster or slower, and why?
What other experiments can you try?

How it works:
Similar to a real rocket! Air comes out of the end of the balloon, pushing the balloon forward. In a rocket ship, exhaust gases moving at a very high speed thrust the rocket forward.
Space Jokes

Question: How do you organize a space party?
Answer: You planet.

Question: If an athlete gets athlete’s foot, what does an astronaut get?
Answer: Missile toe!

Question: What was the biggest problem with the space restaurant?
Answer: It had no atmosphere!

Question: How do you know when the moon has had enough to eat?
Answer: When it’s full.

Question: What is an astronaut’s favorite key on the keyboard?
Answer: The space bar!

Question: What’s a light year?
Answer: The same as a regular year, but with fewer calories.

Question: How do you get a baby astronaut to sleep?
Answer: You rocket!

Question: Why is Saturn so rich?
Answer: Because it has lots of rings!

Question: What kind of music do planets like?
Answer: Nep-tunes!

Question: What do you call a spaceship that drips water?
Answer: A crying saucer!

Question: Why wasn’t the astronaut hungry?
Answer: She had a big launch!