

Outdoor Adventure

Make Your Own Compass

Materials

- 2 Craft Foam Square
- Plastic Cup with 1/2 inch of water in the bottom
- Paper Clip
- Magnet

Steps

1. Rub one end of paper clip on the north side of the magnet about 20 times.
2. Rub the other end of the paper clip on the South side of the magnet about 20 times.
3. Put the paper clip on two craft foam square.
4. Place your new compass in the water. It could take a few seconds, but your compass should end up with the side you rubbed on the north end facing north.
5. To test your compass, try moving your compass around a bit. Does it move back to the same spot?
6. Check with your new friends. Are their compasses facing the same direction?
7. Now that you know where north is, do you think you can find east? Use the directions above to see if you can figure out which way is east.



STEM

Popsicle Stick Catapults

Materials

- 10 popsicle sticks
- 3 rubber bands
- 1 pom pom
- 1 cup
- 1 glue dot

Steps

1. Count your materials.
2. Take the cup and stick the glue dot on the bottom.
3. Stick the cup with the glue dot on one end of a popsicle, leaving pinkie size room at the end of the popsicle.
4. Place the completed popsicle stick on top of another popsicle stick and tightly wrap a rubber band at the opposite end of the cup. (This is your catapult)
5. Set aside your catapult.
6. Stack the remaining 8 popsicle sticks one on top of the other.
7. Tightly wrap a rubber band at each end of your stack.
8. Grab your catapult and insert the end of the bottom stick between the bottom and the second to the bottom sticks in your stack.
9. Slide the popsicle stick through the stack until it meets the rubber band on your catapult.
10. Put your pom pom in your cup.
11. Place your finger on the end of the catapult stick, pull down, aim, fire!
12. Using your feet, measure how far your pom pom travelled.
13. See whose pom pom flies the farthest!



Financial Literacy

Cookie Calculator

Materials

- Cookie Calculator one sheet
- Empty packages or images of cookie packages

Steps

1. Girls should ask an adult in the room if they would like to purchase a package of cookies.
2. When the adult tells the girls how many they would like, girls should use the Cookie Calculator to determine how much the purchase will cost

Cookie Calculator



| 5 BOXES | \$25 | \$29 | \$33 | \$37 | \$41 | \$45 |
|---------|-------|---------|---------|---------|---------|------|
| 4 BOXES | \$20 | \$24 | \$28 | \$32 | \$36 | \$40 |
| 3 BOXES | \$15 | \$19 | \$23 | \$27 | \$31 | \$35 |
| 2 BOXES | \$10 | \$14 | \$18 | \$22 | \$26 | \$30 |
| 1 BOX | \$5 | \$9 | \$13 | \$17 | \$21 | \$25 |
| | \$0 | \$4 | \$8 | \$12 | \$16 | \$20 |
| | 1 BOX | 2 BOXES | 3 BOXES | 4 BOXES | 5 BOXES | |



Life Skills

Human Link Challenge

Materials

- Rope tied in a loop (optional, substitute rope for hula hoop)

Steps

1. Participants form a circle or line, depending on space, and join hands.
2. If in a circle, two participants unlink so that the rope loop can be entered into the beginning of the cycle. If in a line, the rope loop can be placed at either end around the participant's arm.
3. Using teamwork, movement, and a lot of flexibility, participants move the rope loop from the beginning of the chain to the end.
4. Bonus: If your group gets through the activity quickly, they can do it again, but this time, no talking!

