

EXPLORE A WORLD OF WONDER
WITH THIS BACKPACK!

Motion

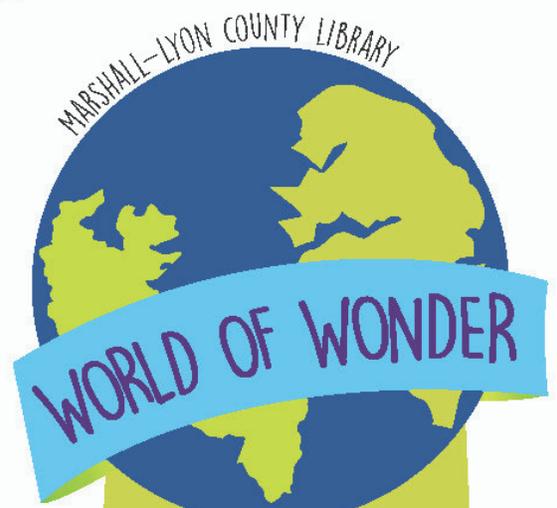
GRADES K-2

BOOKS IN THIS KIT

- Give it a Push! Give it a Pull! | Jennifer Boothroyd
- Gravity | Jason Chin
- Motion | Ellen Lawrence
- Oscar and the Cricket | Geoff Waring
- Sheep in a Jeep | Nancy Shaw

MORE BOOKS AT MLCL

- Forces and Motion | John Graham
JUV NONFIC 531.6 GRA
- Why Doesn't the Earth Fall Up | Vicki Cobb
JUV NONFIC 531 COB
- Forces Make Things Move | Kimberly Bradley
JUV NONFIC 531.6 BRA
- Move! | Steve Jenkins
PICTURE JENKINS
- Move It! Motion, Forces and You | Adrienne Mason
JUV NONFIC 531.11 MAS



IDEA

After reading the book "Motion," think about how motion affects everything you do throughout the day.

GET LOCAL

Marshall is home to The Shades of the Past Car Club. The club consists of 55 members and is a community-based organization that loves cars. Watch for their big car show every June.





Marshmallow Mover

ACTIVITY

How far can you move a marshmallow? That depends on how much force - push or pull - you exert on the candy. Experiment with your child by building a marshmallow mover. This is a great activity to do outside, but will also work inside if you don't mind losing a few marshmallows behind the couch.

WHAT YOU NEED

- Mini marshmallows
- paper or plastic disposable cup
- Balloon
- Scissors
- Packing or duct tape
- Sidewalk chalk or string

TRY THIS

1. Make your Marshmallow Mover (see "Going Further" box).
2. Have your child throw a marshmallow as far as they can. Mark where they are standing and where the marshmallow fell.
3. Now it's time for the fun part! Load a marshmallow into the cup, then have your child pull the knotted end of the balloon and let go. Mark the distance traveled and compare to the thrown marshmallow.
4. Experiment with forces: pulling the balloon back just a little bit to create a small amount of force, then pulling back further to create a big force. Discuss the differences and similarities.

GOING FURTHER

- Marshmallow Mover:
- *Cut the bottom out of the cup. If it cracks or has jagged edges, secure with tape.
 - *Tie a knot at the end of the balloon. Cut off the top of the balloon.
 - *Stretch the balloon over the bottomless end of the cup and secure with tape.

FIELD NOTEBOOK

Keep track how far each marshmallow travels and share the results. Host a marshmallow competition. Who can build the best launchers?