

Today in



we learned all about...

Energy



- We learned that there are many forms of energy.
- Stored energy is called potential energy and the energy of motion is called kinetic energy.
- We demonstrated that potential energy is converted into kinetic energy by using toys and ramps.
- We saw that potential energy and kinetic energy work together to make things move by using rubber band powered cars.
- We got cool takehome projects that uses potential and kinetic energy for fun!

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LET'S TRY THIS AT HOME!



Energy Makes It Go



You Need: A rubber band, a spool, toothpicks, masking tape, a metal washer.

- 1 Take the spool and pull the rubber band through the middle of the spool so there are loops coming out of each side of the spool.
- 2 Take a toothpick and put it through one of the loops. Pull it tightly and tape with masking tape. Break the ends of the toothpicks so they are not longer than the sides of the spool.
- 3 Take the other loop of the rubber band and pull it through the hole in the metal washer.
- 4 Take the other toothpick and put it through the loop on the side with the washer. Wind or twist the rubber band by turning the toothpick several times.
- 5 Place your spool racer on a table or the floor and let it go.

Explanation: When you wound the rubber band, you were storing potential energy. By releasing the spool on the table or floor the energy was released and kinetic energy was demonstrated when the spool moved.



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