



Fallen Timbers Virtual Learning

Our Solar System!

We have a few fun activities to help you learn about our Solar System at home. When we learn about HUGE things like outer space, models help us understand more. A model is a smaller scale version of something that helps us visualize something we cannot see.

Play-Doh Solar System Model

Materials needed:

1. Play-Doh 3-4 containers (that you don't mind mixing) OR make your own [Salt Dough](#).
2. Butter knife
3. Plastic mat/cutting board
4. Ruler
5. Names of planets written on small strips of paper - Mercury, Venus, Earth, Mars, Jupiter, Saturn, Neptune, Uranus, Pluto (dwarf planet)

Directions:

- Take dough out and work it to make it soft.
- Roll ALL of your dough into 1 big ball.
- Set out your planet cards in order next to your mat.
- Roll your ball into a log (hot dog) that is 10 inches long (using ruler) and cut into 10 equal pieces.
- Use 4 of the pieces to make Jupiter and place it on the Jupiter card.
- Use 3 of the pieces to make Saturn.
- Use 1 piece to make Uranus.
- Use 1 piece to form Neptune.
- Take the last remaining piece and roll it out into a log that is 10 inches long again and cut into 10 equal pieces.
- Use 1 piece to make Mercury.
- Use 3 pieces to make Earth.
- Use 3 pieces to make Venus.
- Add 1 piece to Uranus.
- Take the last 2 pieces and roll it out and cut into 4 equal pieces.
- Use 3 pieces to form Mars.
- Use 1 piece to make Pluto.

What are some observations about the size of the planets in our model?

What would be your weight/age on the various planets? WHY?? (Click links to calculate)