



Homeschool Learning Network

Week 21 Science: Play Dough (Grades K-2)

Name _____

Date _____

Activity: Making and Observing Homemade Play Dough

Materials:

- 1 cup of flour
- 1/2 cup salt
- 1 Tablespoon cream of tartar
- 1 cup water
- 1 Tablespoon cooking oil
- Food coloring
- Large cooking pan

Procedure:

1. Mix the flour, salt, and cream of tartar in the cooking pan.
2. Mix the water, cooking oil and a few drops of food coloring together in the mixing cup and add to the flour mixture.
3. Have an adult help you cook the mixture over medium heat, stirring occasionally, until the mixture begins to pull away from the sides of the pan.
4. Cool the mixture and knead with hands.
5. Experiment with the play dough as your parent asks you the following questions about the properties of the play dough. Try to answer each question.

Questions (to be read aloud):

1. Does the play dough stretch?
2. How far does it stretch before breaking?
3. What happens when you hit the play dough with your fist?
4. Can you make a ball that will bounce with the play dough?
5. What happens when you throw the play dough against the floor with all of your force?