

# Puffy Planet Art Project

## Introduction

Let's pretend that you are looking through a newly invented extremely large telescope. Telescopes are made of curved mirrors that gather and focus the light from the night sky. They are able to see very dim things from far away. With this telescope you are able to see planets, moons and asteroids in a far off undiscovered galaxy. Using our fun puffy paint create a picture of this new discovery.

## Interesting Fact

Hubble Space Telescope is a large, space-based observatory, which has revolutionized astronomy since its launch in 1990. As it circles around the Earth, far above rain clouds, light pollution, and atmospheric distortions, the Hubble has a crystal-clear view of the universe. Over the last 30 years five times astronauts have gone into space to replace and upgrade parts of the Hubble telescope improving its abilities and extending its life. Would you like to be an astronaut mechanic for something in space? Scientists have used Hubble to observe some of the most distant stars and galaxies, as well as the planets in our solar system. Hubble has delivered stunning images of stars, galaxies, and other astronomical objects that have inspired people around the world and changed our understanding of the universe.

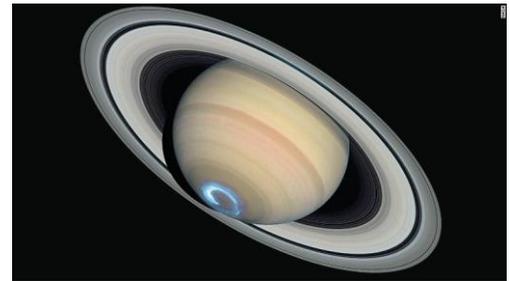
## Pictures from the Hubble Space Telescope



Orion Nebula: a Gas cloud which forms stars



Eagle Nebula's Pillars of Creation



Saturn



A cloud of gas shed by a dying star



Sombrero Galaxy



light halo around star V838

## Directions

Gather the following supplies

- Black or blue paper – in kit
  - Paper plates
  - Foam shaving cream
  - Liquid glue (example: Elmer's school glue)
  - Food coloring and/or paint
  - Craft sticks – in kit
  - Glitter, sand, pepper, pebbles etc. (optional)
  - Space stickers – in kit
1. Squirt approximately 1 cup of shaving cream on a paper plate. Add  $\frac{1}{4}$  cup of glue and a few drops of food coloring or paint. With a craft stick, stir thoroughly. You could divide this into two piles to make two different colors and continue making as many piles and colors with additional shaving cream and glue. Experiment with creating colors by combining different food colors or paints. This could become an additional lesson in color combinations and primary colors.
  2. Use your craft stick to place the foam mixture on the dark paper. Use your craft stick to manipulate the foam's shape and size but do not spread it too thin. Your goal is to create 3-D planets.
  3. Feel free to decorate your planets with glitter or any other supplies. Also, it might be pretty to add multiple colors to the planets. Unlimited possibilities - be creative! ☺
  4. Allow your project to dry overnight.
  5. After everything is dry, add your stickers

### An example



Have fun and keep exploring!