

SCOBEE To-Go

Exploring space in
your own space.



@SACSCOBEE

Edition 3

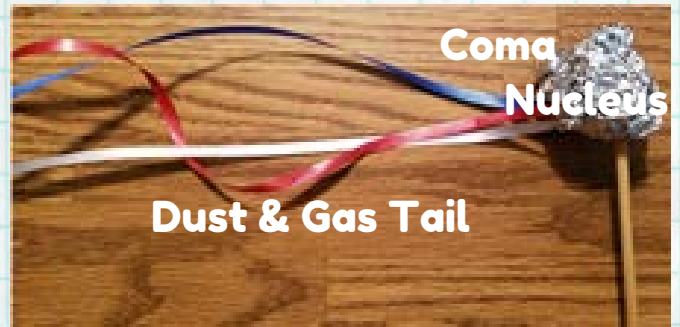
August 17-29, 2020

make your own comet

ADAPTED FROM DR DINA DROZDOV

Comets are often described as the 'dirty snowballs' of the Solar System. These small, icy and rocky objects are usually found very far away, where it is cold. Only when their orbits take them on a path near the Sun do they develop their iconic tails. The center of the comet, called the nucleus, heats up, releasing trapped gases creating a tail. A comet's tail always points away from the Sun due to the solar wind. Most comets are only visible with binoculars or telescopes. Some comets regularly return to the inner Solar System. Halley's Comet, last seen in 1986, is due back in 2061. Set your calendars!

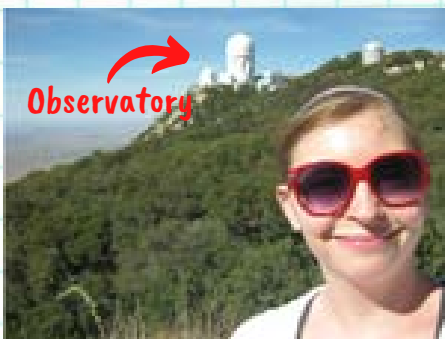
To make a **dust tail** and a **gas tail** for your comet cut two long thin strips of paper or you can use tissue or ribbon. Attach the tails to the top of a stick. The main body of the comet is called the **nucleus**. Wrap a ball of foil on the top of the stick, leaving the tails out. This is your comet nucleus. The glowing part of the comet is called the **coma**. The shiny part of the foil is the coma. Now you are ready to fly your comet! Name your comet and share its flight with us at #scobeetogo!



stars in your eyes?

BE AN ASTRONOMER!

Dr. Dina Drozdov is an observational astronomer who utilizes both ground- and space-based telescopes to study exploding stars called supernovae. She is a senior lecturer and teaches astronomy courses at the University of Texas at San Antonio. Dina is passionate about STEM education at all levels and inspiring the next generations of students to reach for the stars!



EXPLORE THE SKY TONIGHT
WITH SCOBEE PLANETARIUM
COORDINATOR, MICHELLE
RISSE!



STEM-TASTIC THINGS TO TRY THIS WEEK:

Magic Monday: Make a paper airplane to carry the most payload (coins)

Terrific Tuesday: Build a marble rollercoaster with one loop.

Wacky Wednesday: Draw a comet flying through our solar system.

Thumbs-Up Thursday: Make a pinwheel to explore wind energy.

Fun Friday: Make a solar oven to cook a hot dog.

Share your projects with us at #scobeetogo

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