

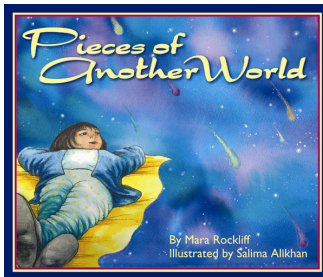


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*Science and Math through Literature*

## Comet Cookies

Note for classroom teachers: Store-bought chocolate chip cookies will work for this, but try to put some of the “space dust” on top of the cookies.



- 12-oz. package semi-sweet chocolate chips
- 12-oz. package miniature chocolate chips
- 12-oz. package miniature candies,
- such as M&Ms Mini Baking Bits
- 18-oz. roll of chocolate chip cookie dough

1. Mix the chocolate chips and candies in a bowl.
2. Follow the package directions to prepare the cookies for baking.
3. Press one tablespoon of candy/chip mix into the top of each cookie.
4. Bake and cool.
5. Lay one cookie on a paper plate. The cookie is the comet's head—think of the dough as ice and the candies and chips as bits of “space dust.” So what's missing? The tail! You can make a tail with leftover candy/chip mix—about three tablespoons for each comet.
6. To model a meteor shower, set a lamp in the middle of a table to be the sun. Carefully, “orbit” your comet cookie in an ellipse—long, flat oval—around the lamp. (Watch out for the cord!) As you orbit, shake off bits of candy/chip mix, so that you leave a trail.
7. Now, set down the plate, then take an orange or small ball—the “Earth”—and roll it slowly around the lamp. A meteor shower results when the Earth passes through the comet's trail.
8. If you scatter a spoonful of candy/chip mix around the table, you'll see how the Earth crosses paths with a smaller number of meteorites on ordinary nights.
9. And now, for the final step – eat your comet!

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