



STEM FAMILY ACTIVITIES

for independent learning



REDUCE-REUSE-RECYCLE



You can use the back of this paper as your STEM journal to record each of the activities

Activity:

1. How much trash do you think your family creates in 1 day? Let's find out
Keep a piece of paper and pencil by each trash can in your house. When someone puts a piece of trash into the can, they record what was thrown away. To organize your data, make categories of the most common types of trash you think your family throws away each day

Here is an example of possible categories:

Paper	Plastic	Metal	Glass	Other
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Optional Technology Connections:

Read-aloud of the book "Michael Recycle meets Litterbug Doug"
tinyurl.com/LitterbugDoug



2. At the end of the day, look at the data collected. Make a graph of how much of each type of trash was collected.
What do you notice? What do you wonder?
Can you think of ways to reduce the amount of trash created?

Play the "Recycle Roundup" game
tinyurl.com/recyclesorting



3. Recycling is one of the easiest ways to reduce the amount of garbage we throw away. If you don't have a recycle bin in your house, create one. Then encourage each family member to put paper, plastic bottles, and aluminum cans into the recycle bin and not the trash.

Watch this video to find out how Adidas is turning plastic bottles into shoes.
tinyurl.com/shoesofplastic



4. Look in your recycle bin. Can you design something you can use around your house? For example, use a soup can as a pencil holder or a glass jar as a vase for flowers. Be creative! Be Earth-friendly!

Check out this website for craft projects ideas using items such as plastic bottles, toilet paper tubes, paper plates, and more!
tinyurl.com/craftprojects

Optional: Go to this link to print a "STEM journal" to record your observations and questions.
tinyurl.com/STEMjournal8



fresno county
superintendent of schools

For more resources or support, contact
Jon Dueck, FCSS STEM Direction - jdueck@fcoe.org
or visit our website: stem.fcoe.org

