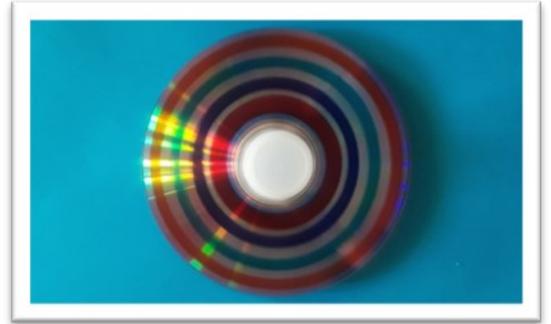


# Spinning Top 3-5

By: Shirley Rose

## Lesson

Many commonly discarded items such as single-sided paper, plastic bottles, glass jars & boxes are reusable in their current form. Instead of tossing them in the trash or recycling bin, consider ways it might be usable. Take a minute to look at its--use your imagination to think of how it can be repurposed, as is or in a new way. Making crafts with recyclable items is fun. Keep a box in the corner of your garage to store your chosen items, this way, you always have plenty on hand. You can make toys, games or even build a robot. Useful things like bird feeders, flower vases & pencil holders can be made from recyclable items, as well. Many things can be used as they are, a plastic container with a lid is great way to store food. A box with a lid, can be decorated & used as gift box or store paper scraps, stickers & pictures cut from magazines to make cards. Give your discards a second chance at life by holding a yard sale or donating items to Goodwill, or other charitable outlets. Contact schools to find out different types of items they reuse for art projects. Donate used books to the Library. When you out-grow a toy or clothing in good condition, pass it on to a friend or family member. All these things are great ways to reduce. By reusing we use less of our natural resources, such as trees & fossil fuels. It also helps keep trash out of landfills & reduces air pollution. It helps our environment stay clean & healthy.



## Questions for students

What could you make with a milk carton? Think about its shape.  
Would you open the top of the carton or tape it shut?  
How would you reuse paper that is used on one side?  
How will you store your chosen recyclable items and paper scraps?  
Where can you donate things you no longer need?  
How does holding a yard sale help the environment?

Please us the Other Resources Page before you start the art project



## Materials

- 1 used CD
- 1 Marble
- 3 Water bottle caps
- Permanent Makers
- Hot Clue
- Stickers



**RESOURCE  
DEPOT**

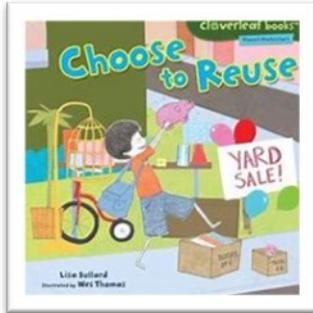
*turning waste into wonder*

# Other Learning Resources

## Books to Read

**Choose to Reuse** By Lisa Bullard

**Don't Throw That Away!** By Lara Bergen



## Videos About Science of Spin Tops

<https://www.youtube.com/watch?v=i9OmAOonNXco>

## Videos About Reusing

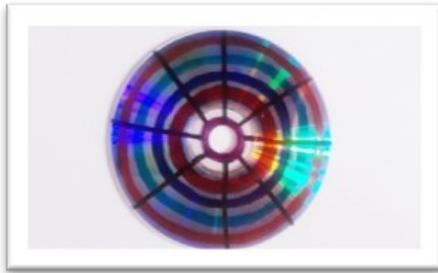
<https://www.youtube.com/watch?v=vubFmbXsz-c>

[https://www.youtube.com/watch?v=wMXEjd-U\\_Q0](https://www.youtube.com/watch?v=wMXEjd-U_Q0)

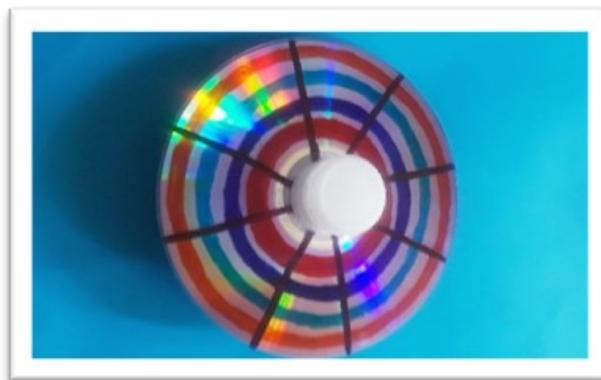


# Instructions

Parents may need to help with steps in Green



1. Gather all your materials.
2. With a permanent marker draw a spiral or rings on top side of the CD (Draw on the side of the CD with less markings). Then draw a few horizontal lines from the hole to the edge of the CD. When the top spins you can not see the horizontal lines! If you make more than one, you can do experiment with you color design on the top, if you do segments of different colors, when its spins, the colors will mix.
3. Hot glue the marble onto the other side of the CD. Let it dry & place a line of hot glue around the marble.
4. Decorate this side with stickers covering any writing that may be on it. If you do not have stickers, use your permanent markers.
5. Hot glue 2 of the bottle caps together with the flat tops facing each other, then glue the last one with the top flat side facing up. Glue the group of lids on the top covering the hole & top side of marble. (Having the lid with the open space facing down allows room for the top side of the marble to fit underneath.)
6. Make more then one & see whose top can spin the longest!



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