

Activity #7 – Easy Basketball Hoop Game

When you are done building and experimenting with your catapults, why not use them to play a friendly game of hoops?

I made this simple hoop using:

- a cardboard base
- straws and a craft stick for the pole
- a card stock backboard
- a pipe cleaner hoop
- lots and lots of tape!

You can be creative and use whatever you have on hand! *(If you're more of a football fan, you can use the same materials to create goalposts!)*



Once your hoop is ready, challenge your family members to a friendly game of catapult basketball!

STEAM connection

Remember that it is the force you apply to the catapult that transforms the stored energy into kinetic energy and makes the cotton ball move through the air. We describe force by its direction and strength. It might take you some time and practice to determine the best direction and amount of strength needed to get your cotton ball through the hoop—but you'll have fun working on it!.

Additional Resources

<https://www.dkfindout.com/us/science/forces-and-motion/what-is-force/>