



Project Exploration creates transformative learning opportunities for youth underrepresented in the sciences --particularly students of color and girls -- by equipping them with the skills, practices, and mindset needed for a lifelong pursuit of learning. STEM@Home makes activities around science, technology, engineering, and math accessible and fun to do at home. This STEMbook activity, resources, and more are available at www.projectexploration.org/stemathome.

In this activity, you will:

Discover what is an invention and you will start seeing inventions everywhere you go! Then you will become an inventor and invent your own game.



Supplies Required:

Paper
Something to write with (pencils, pens, markers, etc.)
(Optional) Toys, sports equipment

Video

Watch this video to learn about some of the most famous inventions and inventors in history. <https://tinyurl.com/37nyax23>

Overview

An invention is anything new or an improvement to something that already exists. Inventions can be an object, a machine, a process, or even a game. Inventors are those who come up with new ideas and use the invention process to make their ideas real. What will you invent?

Instructions

1. Think about your favorite games that you play. What are the rules? What items do you need to play the game? How many people can play?
2. Start planning your game. It can be a completely new game where you make up all the rules. Or you can add new rules to a game that already exists to change it.
3. You can write down your game ideas and rules on a piece of paper. Inventors always record their ideas because you never know which ideas will be the best.
4. Share your game ideas with your friends and family! Have them try your game.
5. Is the game you invented fun? Are the rules easy to understand? What is something that you can change about your game to make it even better?

Additional Resources

1. Watch this video of some other kids inventing their own games: <https://tinyurl.com/3cpctw4z>
2. Want to keep inventing? Make an inventor's box! Fill it with tools and recycled materials that you can use to build your ideas into real inventions. Here are some helpful tips to get you started: <https://theeducatorsspinonit.com/build-inventors-box-stem-activity-for/>

Share It Out

Share on social media: Record a video or take a picture of your activity and post the results online using the hashtags:

#Inventions
#Inventor
#ProjectExploration
#StemAtHome

Tag a friend and challenge them to do it, too!

For more activities like this one, go to www.projectexploration.org/stemhome. If you're interested in learning more about Project Exploration and our free events, programs, and activities, please find us on social media and be sure to follow!



Call or text us for help: 312-772-6634

www.projectexploration.org