STEAM MOBILE at home!

Virtual STEAM Mobile - 3-D Design Challenge
Design the STEAM Mobile!

Materials
- Paper
- Pencil
- Crayons Markers
- Scissors
- Glue

Introduction
- Join this dimension, and check out some shapes that don't fall flat! If you follow along with this challenge, you might learn some new sides to the term "3-Dimensional"!
- What is 3-D Design
  - 3-D means three dimensional 3-D design is when someone creates something that has height, width, and depth
- What are some 3-D shapes
  - Cube
  - Sphere
  - Cylinder
  - Pyramid
  - Cone
- What kind of jobs are there that might involve 3-D design
  - Architect
  - Movies and Entertainment
  - Medical
  - Engineering
  - Manufacturing
  - Geology and Science

Activityt
- The 3-D Shape HUNT
  - This will be a scavenger hunt for 3-D shapes around your home!
    - There is a hunting list on the following sheet If you don't have a printer, just write them all down on a sheet of paper for yourself, to keep track!
    - When you find an object that is the shape you are hunting for, draw your found item in the box!
    - BONUS ACTIVITY: If you want to have a race with your parent guardian, each of you go on a hunt for the shapes Measure you objects too, and whoever found the bigger object, wins!
- 3-D Paper House
  - If you have access to a printer, print out the paper house worksheet included in this activity! If not, you can take a piece of white paper and trace the pattern on the screen
    - Color your house
    - Cut out the house, following the solid lines as you cut
    - Fold on the dotted lines
    - Glue the tabs and in the end, you will have made your own 3-D object!

Wrap Up
- What is 3-D Design
- Did you disco er any new 3-D shapes
- Did you find the paper house structure challenging
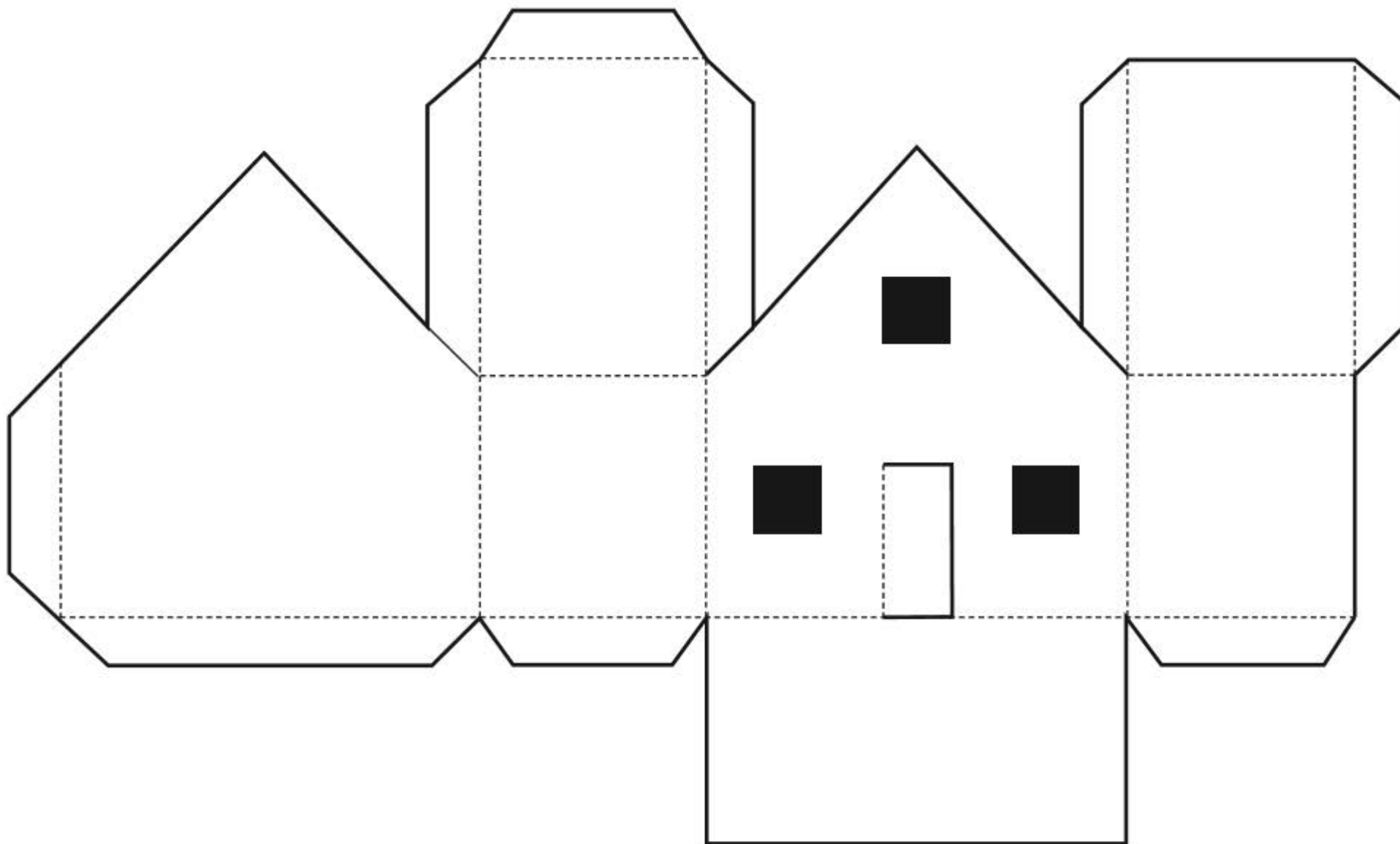
3-D Shape Scavenger Hunt!

Sphere	Cone	Cylinder

Cube	Pyramid	Rectangular Prism

1-Story House

Instructions:
1. Cut along solid lines
2. Fold along dashed lines
3. Cut out black sections