

PRINCE *of* PEACE SmartLab®

WEEK 4 FACE MASK

Your Challenge: Use materials found in your house to design a protective face mask or shield.

Background: Hospitals across the world are low on protective gear like face masks and shields.

People, just like you, are designing and making these items for healthcare professionals to use.

Materials Needed: A variety of household items like: rubber bands; elastic bands; double-sided tape; foam strips; felt; sheet protectors or plastic report covers; any kind of hard plastic sheeting for face shields; vacuum bags; cloth diapers; cotton; dish towels; pillowcases; napkins; screen (extra from a screen door); duct tape; fabric, etc.

Considerations: As you design the mask or shield, consider these questions:

1. Will the mask protect the wearer from germs in the air?
2. Is it comfortable?
3. Does the mask create a seal to prevent particles from getting inside?
4. Is it easy to replicate (or make over and over again)?



