

# Women and Technology and Trade STEM Kit Info Sheet

## PINHOLE CAMERA KIT

Kit Description: *Students will learn the basics of photography by building their own pinhole camera and investigating how it works and exploring how images are formed on photo sensitive materials.*

Key Areas Covered: *Scientific Investigation Skills : Predictions and Hypotesis  
Scientific Investigation Skills: Collect data, identify and control variables  
Scientific Investigation Skills: Analyze and interpret qualitative and/or quantitative data  
Chemistry: Chemical Reactions  
Physics: Light and Geometric Optics*

Material Required:

- Cans (Soup/Chips and Soda)
- Electrical Tape
- Black Paint
- Multigrade Developer and Multigrade Photography Paper
- Fixer and Stop Bath
- Plastic Trays, Water, Tongs, Timer

Materials can be found in :  
<https://www.bhphotovideo.com/>  
<https://ilford.com/>

