

## DUCT TAPE ACTIVITY

Duration: 30 minutes-2 hours

Institution: Tellus Spark

Skill level/Age Level: 5<sup>th</sup> Grade-Adult

Group size: 10-30 participants depending on space and resources

## INTRODUCTION

Using the handyman's secret weapon, collaborate with or encourage participants to build a unique creation out of one simple material, duct tape.



## KEY CONCEPTS AND/OR SUBJECT AREA

Take risks with limited resources. Explore creativity; embrace the challenges of the materials and collaborate with other to create something original out of duct tape.

## **MATERIALS AND TOOLS**

### *Essential Materials:*

- Duct Tape
- Scissors
- Flat surface

### *Optional Materials:*

- Paper
- Pen

## **SET UP**

1. Set up a table or several tables in a large space. Ensure you have plenty of workspace.
2. Distribute the duct tape and scissors evenly on the tables
3. Set out pre made examples if you have any available
4. Set out paper and pencil for participants to plan their projects

## **HOW TO OR STEP-BY-STEP**

1. Develop an idea and brainstorm ways to achieve your design.
2. Make duct tape sheets by laying a few pieces of duct tape (sticky side up) on a flat surface and sticking another piece on top (sticky side to sticky side).
3. Build your project using duct tape layers and scissors.

## **FACILITATION TIPS**

Help participants come up with a plan, give inspiration. Come up with ideas of your own and be prepared to start building on your own.

## **MAIN ROLE OF THE FACILITATOR**

- Inspiration
- Celebrating Success
- Troubleshoot and keeping the mood positive and excited

## **QUESTIONS**

- Duct tape is waterproof. What else is waterproof?
- What happens with colors other than black?
- What happens if you create different designs?
- What happens if you cut shapes out duct tape?

**MATERIALS SOURCES**

Duct Tape (colored)—3 rolls at \$30.00 from ULINE website

This activity requires a variety of different colors of duct tape

**REAL WORLD CONNECTIONS**

*People have built:*

- Boats (that don't sink)
- Wallets
- Shoes

**SAFETY AND TROUBLESHOOTING**

- Participants may become frustrated when the duct tape sticks to itself or to other unintended items. Encourage collaborations so that one person may pull the tape while someone else cuts and holds the tape from sticking to other items.
- Some participants struggle to rip or cut duct tape, show them how they can use the table to help them. Creating a piece from a plan may be difficult, brainstorm solutions with participants