

Taking Time for Teamwork

Creative Challenges

Author: Robyn Kademan

Author: Shawdi Nesbit

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P. O. Box 802

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Paper Doorway

Challenge

Create a way to cut a single piece of paper to make the largest opening through which a person can walk.

Supplies

- 1 piece of paper
- scissors
- a small piece of tape to hold the door to the floor

Requirements

1. The door must be one connected piece of paper.
2. The tape will be placed on the bottom of the paper doorway only to hold it to the floor for measurement. The top will be held by a group member.
3. The door must be created during the time limit.

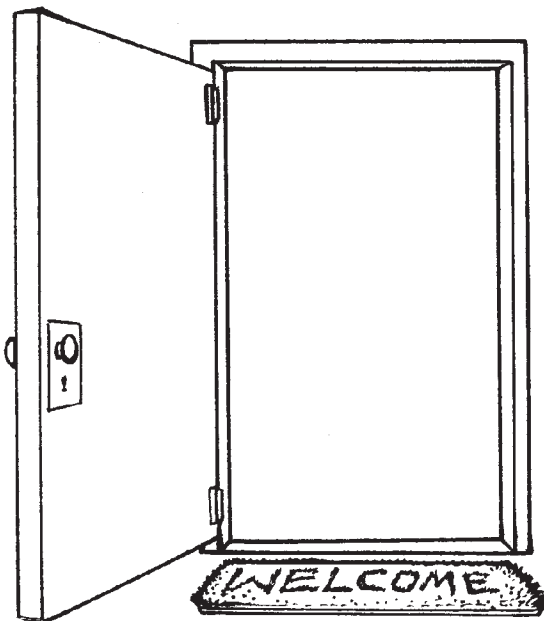
Testing and Scoring

Group goal – To be scored, all members of the team must make it through the door opening.

- The doorway will be measured from the floor to the highest point while one person is in the doorway.

Teacher Notes

- At the end of the activity, have students salvage as many of the unused or unbroken supplies as possible for use in other classes or for other activities.



The Amazing Disappearing Water

Challenge

Create a contraption that will help cause water to evaporate as quickly as possible.

Supplies

- 2 pieces of paper
- 1 piece of cardstock
- 5 straws
- 4 toothpicks
- 6 note cards
- 50 cm of tape
- 10 ml graduated cylinder full of water

Requirements

1. The group must be ready to compete when the practice time is over.
2. Each group member may have his or her own contraption.
3. Each group member may have more than one contraption to use during competition.
4. The contraption must be created during the time limit.

Testing and Scoring

Group goal – The contraction must help cause water to evaporate.

- The water may not be touched directly by the group members or their contraptions.
- The water does not need to remain in the graduated cylinder during competition.

Scoring – The first group to have no water left on their table will be considered the winner.

Teacher Notes

- When students have determined a strategy to use, suggest that someone keeps time to give them a feel of the real competition time.
- At the end of the activity, have students salvage as many of the unused or unbroken supplies as possible for use in other classes or for other activities.

