

Engineering & Technology Activity



Chair Lift Challenge

This lesson focuses on unique challenges in transportation engineering, such as devising a method for skiers or hikers to get to the top of a mountain. Students work in teams to design a “chair lift” out of everyday items that can transport a ping pong ball in a chair of their own design from the bottom of a “valley” to the top of a “mountain” along a clothes line or wire without the ball falling out.

- Learn about Engineering Design and Redesign.
- Learn How Engineering Can Help Solve Society's Challenges.
- Learn About Teamwork and Problem Solving.

Age Levels: 8-18

Activity Link: <https://tryengineering.org/teacher/chair-lift-challenge/>