

STEM challenge

ENGINEERING CHALLENGE: MISSION SLEIGH



CHALLENGE:

What happens if Santa's sleigh is down for repairs with no time to spare? Your mission: Design and build a sleigh prototype that meets Santa's approval.

TIME CONSTRAINT:

Planning time: 5 minutes

Building Time: 15-20 minutes (or as long as desired)

Reflection time: 5 minutes

Materials:

Whatever materials you have available!

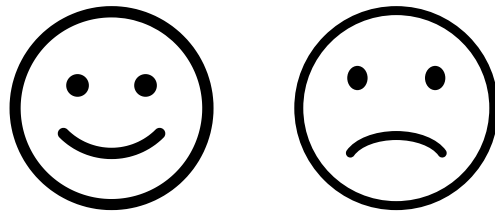
STEM challenge

Prototype: Draw a quick sketch of your idea.

Steps: What steps will you take to build it?

STEM challenge

Evaluate your design. Do you feel your sleigh design will withstand a busy night of delivering presents worldwide?



Rate your design:



What did you like about your design?

What would you do to improve it next time?
