

LITTLE RED RIDING HOOD

A long time ago, Little Red Riding Hood was sent alone to her grandmother's house deep in the woods. She was supposed to bring the old woman some food, but those of you who know the whole story remember what a terrible time she had. No responsible parent would allow that these days! Too many creepy creatures lurking about! But Red Riding Hood's grandmother still needs a food delivery. Can your team send her some supplies without meeting a big, bad wolf?

Set-up: On the floor, tape two parallel lines four feet apart to mark the “edges of the woods.” Tape a six inch square outside of one line to mark the grandmother's house. Red Riding Hood's launch area is on the far side of the other line.

Challenge: Build a device to deliver a package of “food” to grandmother's house.

Time: Part One: You will have 5 minutes to design and construct a technical device to deliver a storage container (the “food package”) across a marked space (the “woods”) to the square (“grandmother's house”). Team members may not be the device or touch the floor between the taped lines. You may test your device during this part.

Part Two: You will have 1 minute to demonstrate your delivery system for the appraisers.

Materials: one small plastic food storage container
(the “food package”) (may not be altered)
one pair of wooden chop sticks
two elastic bands three mailing labels
six feet of string five tooth picks
four file cards scissors (may not be included in the solution)

Scoring: up to 20 points for the innovative use of materials
up to 30 points for the technical design of the device
30 points if the package touches part of the square after delivery
up to 20 points for positive team work

Idea contributed by “Too Tall” Alex, Lab Mouse. Thanks!