# STEM PROJECT CHALLENGE SHEET:

CARS!

Your STEM mission, should you choose to accept it, is to research, design, and build a car that will roll down a ramp at a 45 degree angle for the longest possible distance, using gravity as it’s only source of propulsion.

Materials: All materials must be recycled or repurposed from items already in your home. You may purchase paint, glue, or tape as needed. You may NOT use a premade car kit.

Be prepared to test your car against your classmates on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Be sure to practice rolling and repairing your car at home. For an extra challenge, build more than one of different designs. Test them against each other at home and bring in the best to compete against your classmates. Parents, please feel free to help your child complete with their assignment. Good luck!

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