

RESEARCH BOARD

PROJECT TITLE: Mouse Trap Race Cars

The Problem

During times of social distancing, your neighbor wants to bake a cake, but has run out of eggs. How are you going to safely deliver an egg to your neighbor using a Mouse Trap Race Car?

The Objective

Working collaboratively in groups of 3, you are to design and build a Mouse Trap Race Car that can safely transport 1 egg.

Goals

- 1) To design & build a car that will travel the farthest distance carrying 1 egg.
- 2) Demonstrate your understanding of the Physics principles in your design. (based on the principles of simple machines)

Phases

This project consists of the following phases:

- Research & Design Phase
- Produce a video of your journey through this project
- Race car construction
- Race car trials
- Race Day
- Self evaluation & reflection

Materials Supplied

1x Mouse Trap, 3x Lengths of Timber, 4x Paddle Pop sticks, 4x cable ties, 600mm String, Straws or Skewers for axles

You will need to source material for Wheels and something to carry the egg

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PROJECT TITLE:

MY IDEAS:

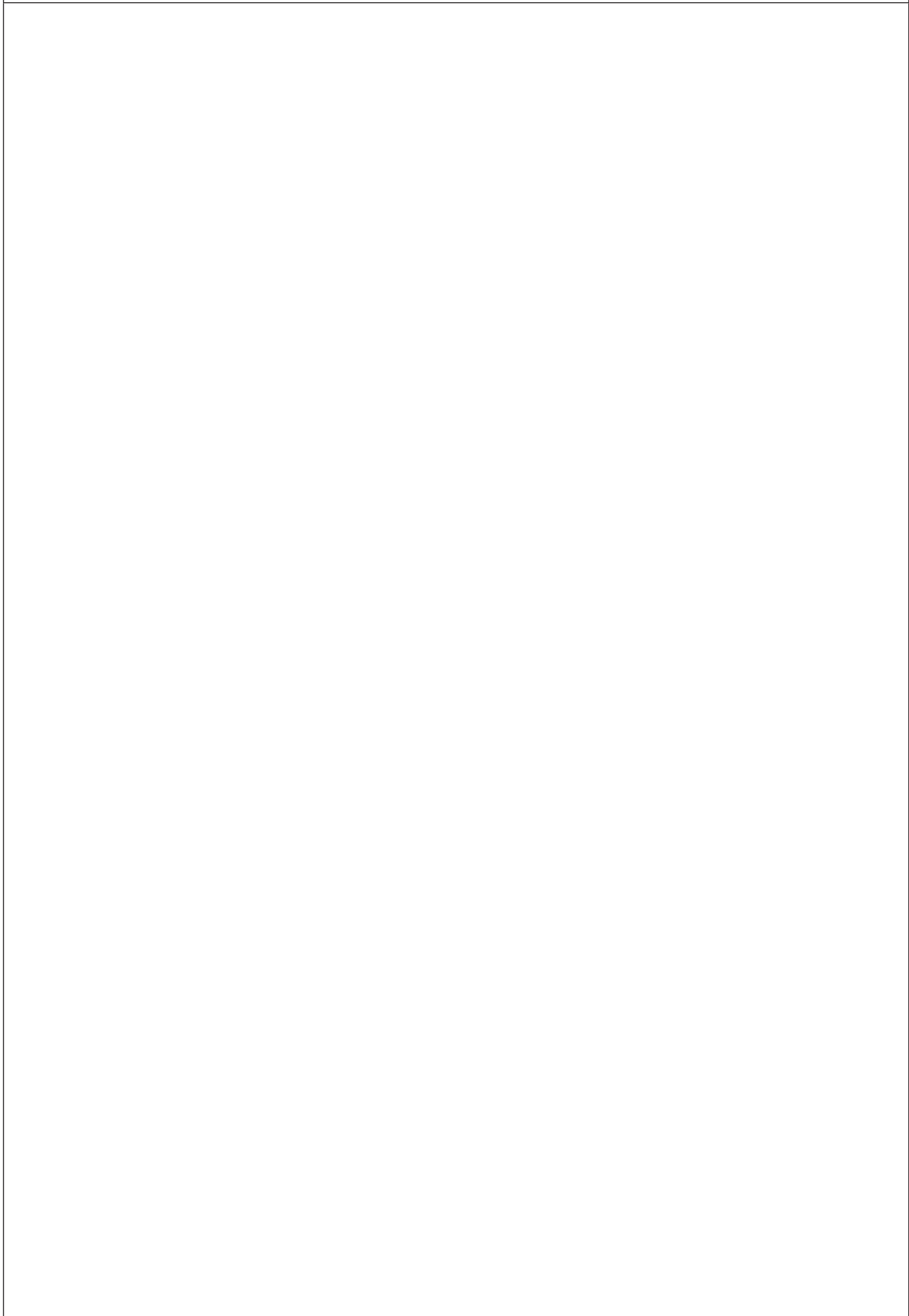
IDEAS FROM RESEARCH:

DESIGN IDEAS

PROJECT TITLE:

TRADE SKETCH

PROJECT TITLE:



REQUIRED MATERIALS

PROJECT TITLE:		
Materials (including amount):	Sources(Where could I find materials):	Cost (if any):

PRODUCTION PLAN

COMPLETED PROJECT TITLE:

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EVALUATION	Parts of the design, production and final product I'm happy with:	What could be improved about the design, production and final product:

PRODUCTION PLAN

PROJECT TITLE:	
DATE:	
GOALS:	
PROGRESS AND COMMENTS:	
Changes to design	

COMPLETED PROJECT

PHOTOS OF THE FINISHED PRODUCT:



EVALUATION

PARTS OF THE PRODUCTION AND FINAL PRODUCT I'M HAPPY WITH:

WHAT COULD BE IMPROVED ABOUT THE PRODUCTION AND FINAL PRODUCT:

<h2>EVALUATION</h2>	
<p>PARTS OF THE PRODUCTION AND FINAL PRODUCT I'M HAPPY WITH:</p>	
<p>WHAT COULD BE IMPROVED ABOUT THE PRODUCTION AND FINAL PRODUCT:</p>	