

Experimental Design Tryout Test 2014-15

ANSI Z87 Safety Goggles required. Participants are only allowed writing utensils and calc, not to be used in experiment. Grading is per standard Science Olympiad Experimental Design Rubric.

Conduct and document an experiment concerning one or more of the following, with bonus:

- Other topic (+0 Bonus)
- Surface Tension (+1 Bonus)
- Packing Efficiency (+3 Bonus)
- Material Properties (+3 Bonus)
- Waves (+5 Bonus)
- Quantum Mechanics (+5 Bonus, +1 Tiebreaker)

Common Tools:

Mass Balance/Scale
Scissors
Scotch Tape
Protractor

Materials:

8x	Lined Paper (For Report Writing and Scratch paper only)
4x	Graph Paper (For Report Graphs and Data Tables only)
1x	100 mL Beaker
1x	Wooden Ruler
1x	50mL Beaker
10x	A4 Paper Sheets
5x	Paperclip
5x	Penny Coin
4x	Quarter Coin
3x	Straw
2x	Rubber Band
2x	Small Paper Cup
1x	Spork
1x	Marker
∞	Water
∞	Salt
1m	String/Wire
0x	<i>Tears of the Proctor</i>
3x∞	<i>Tears of Participants</i>

Conserve your resources, as you will not be given extra materials. Paper towels/rags available for cleanup.

Do not remove this paper from the testing room. Do not mark on this paper. Dispose of unused/scrap paper.

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