

EXAMPLE PRE-LAB

Vectors

Simon Dalley

WHY: We investigate how the properties of force vectors and their components relate to motion of objects on which the forces act.

HOW: A cart on a slope of variable angle is connected by a string to a hanging weight via a pulley.

WHAT: By measuring for various angles how much weight is needed to move the cart at constant speed along the slope, we deduce the tension force in the string and compare this to the calculated value for the component of the cart's weight force parallel to the slope.

Tips

- Use only ONE SENTENCE per section
- Put the 3 sections in the order you think reads best.
- Be concise but include all the main points.
- Distinguish what is *measured* from what is *calculated*.
- Avoid using formulas.