

SCI10-FM1

Explore the development of motion-related technologies and their impacts on self and society.

Indicator for this outcome

- (d) Design, construct and evaluate a prototype of an object that meets a student-identified need related to motion.

Performance

What was the quickest time that your Balloon Car was able to complete a flat, three (3) metre course?

Design

Summarize the design process of your balloon car. Indicate the research which was applied and the sources you used for inspiration.

Construction

Outline the construction process of your balloon car. Specify any obstacles you encountered in the construction process.

Evaluation

The evaluation of your balloon car may have taken many forms, but should have consisted of a test / modification loop. Recap your first attempt at testing your balloon car.

Summarize the entire process that resulted in your finished balloon car.

Reflection

Outline the main challenges you encountered in completing this design challenge.

If you had two more hours of testing and modification, what changes would you have made to your balloon car?