

LO: To investigate the properties of materials

To plan and investigate suitable materials for building a log flume vessel.

Prediction:

I predict that the _____ will be the best material for building a log flume vessel.

I believe this will be the case because

Method (what we will do):

We will test a range of materials, to determine which is the most effective log flume vessel.

To do this, we will release the test vessel from the top of the log flume, and time how long it takes to hit the water at the bottom. Its buoyancy at the bottom will also be assessed, by whether it floats or sinks after the descent.

The test will be repeated three times to ensure we get accurate and consistent results.

Variables:

To ensure it is a fair test, there will be the following variables...

Independent Variables (change):

Dependent Variables (measured):

Control Variables (stays the same)

Results:

<u>Material:</u>	<u>Test 1:</u>	<u>Test 2:</u>	<u>Test 3:</u>	<u>Average:</u>	<u>Buoyancy:</u>

Conclusion:

Based upon our experiment, the best material for building a log flume vessel is _____.

This is because _____

What would we do differently next time?

If I did this experiment again, I would
