

Designing Your Boat

Name: _____

Date: _____

Design Checkpoints

Will your boat...

- be waterproof?
- float on water?
- be stable on the water?
- carry a load?
- be propelled through water?

What Materials Will You Need?

- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

My Boat

Draw and label the parts of your boat.

How will your boat be propelled through water? _____

Building My Boat: Assessment

Student Name: _____

Total: _____ / 16

	1	2	3	4
	The student:			
Knowledge and Understanding <i>(e.g. facts, concepts, ideas, terminology)</i>	demonstrates limited knowledge of buoyancy and boats.	demonstrates some knowledge of buoyancy and boats.	demonstrates considerable knowledge of buoyancy and boats.	demonstrates a thorough knowledge of buoyancy and boats.
Thinking and Investigation <i>(e.g. identifying the problem, gathering evidence, critical thinking)</i>	uses critical and creative skills to design, build and problem solve with limited effectiveness.	uses critical and creative skills to design, build and problem solve with some effectiveness.	uses critical and creative skills to design, build and problem solve with considerable effectiveness.	uses critical and creative skills to design, build and problem solve with a high degree of effectiveness.
Communication <i>(e.g. clear expression, logical organization)</i>	expresses ideas and reflects with limited effectiveness	expresses ideas and reflects with some effectiveness	expresses ideas and reflects with considerable effectiveness	expresses ideas and reflects with a high degree of effectiveness
Application <i>(e.g. proposing courses of practical action)</i>	designed, built and tested their boat with limited effectiveness.	designed, built and tested their boat with some effectiveness.	designed, built and tested their boat with considerable effectiveness.	designed, built and tested their boat with a high level of effectiveness.

Comments: _____
