

Design Challenge - Bridge

Waterford Valley High School

Science Fair Grading Sheet 2018

Student Name(s) _____

Problem Stated

1

Constraints Identified and Satisfied
 (Materials, L=min30cm, W=6-15cm H=max15cm)

1	2	3	4

- *bridge must have sides
- *no more than 2 overlapping layers of sticks

Summary of Research

- Bridge Designs found in your Research (*2 with sketches*)
- Identify Chosen Designs and Explain why you Chose it (*2 reasons*)

1	2	3	4

- Your Bridge Design (top view and side view *sketches*)

1	2	3	4

Approved Proposal Sheet

2

Quality

- Uniform and Symmetrical, Clean and Neat
- Test Vehicle can Pass Freely along the Bridge

1	2	3	4	5

-Strength

Bridge has failed when the bucket holding the load hits the ground.

By ranking Bridges - determine mark out of 5

Max Load	1 - 5

Total /25