

Bridge Design

Group Names: _____

Teacher Initial: _____

Bridge Design Checklist

Structure	Forces
<input type="checkbox"/> Bridge Name	<input type="checkbox"/> External Forces on Bridge (gravity)
<input type="checkbox"/> Bridge Type	<input type="checkbox"/> Internal Forces Bridge will Experience
<input type="checkbox"/> Neat and Clear Design	<input type="checkbox"/> Shearing Force (with force arrows)
<input type="checkbox"/> Labeled materials (marshmallows, spaghetti, tape)	<input type="checkbox"/> Tension Force (with force arrows)
	<input type="checkbox"/> Compression Force (with force arrows)

Oral Presentation Plan

Group Members: _____

Introduction (Group Members, Bridge Name, and Bridge Type).	
BODY: How does your structure meet the design criteria? Explain	
BODY: How does your structure stand up all of the forces (internal forces, external forces, and loads) it experiences? Explain	
Conclusion: Description of how your bridge is complex, creative, and difficult.	

Teacher Initials: _____