Var	me:	Date:	Period:
	STUDENT ACTIV	ITY: The marshma	allow challenge
Stı	udent handout: Marshmallow c	hallenge rules	
Иa	terials		
•	20 sticks of dry spaghetti 1 marshmallow 1 m masking tape 1 m string		
Wh	hat to do		
L.	Build the tallest freestanding tallest structure measured from t means the structure cannot be su chandelier.	he tabletop/surface to t	he top of the marshmallow. That
	The entire marshmallow must top of the structure. Cutting or ea		
3.	Use as much or as little of the spaghetti sticks as much or as litt materials.		
1.	You can break up the spaghet and cut up the tape and string to		are free to break the spaghetti
5.	The challenge lasts 18 minute out. Any team touching or support disqualified.		the structure when the time runs e end of the exercise will be
Rei	flection Questions:		
•	Teamwork/Collaboration: 1. How helpful was everyone on members of the team able to		appear to be an expert? Were all
	2. Did your team try and fail at o	different approaches bef	Fore agreeing on a final structure?
)	Ideas generation: Where did the everyone contribute? Were ideas trial and error? Rapid prototyping fail? Did you learn from your failu	received in a systemation received in a systemation received in a systematic	c way? Did you use a method of

Cro		tting Concepts:
	•	tting concepts.
	a.	What patterns do you notice in other groups structures? What do you notice about the winning team's structure?
	b.	What about your structure helped you achieve the goal? How can we apply successful marshmallow structure designs to actual building designs?
		from experience: After completing the task and watching Tom Wujec's videod you have done better? What might you have changed?