

Name	

Scoring Rubric

Activity	Points
Engineering and Collaboration Worksheet - worksheet is complete and all questions are answered thoughtfully /15	
Completion of Goal - The team set a new, realistic goal and achieved that goal in the final machine	_. /3
Collaboration	
Focused Completion of Task	/4
Consideration of Others	/4
Contribution of Knowledge and Ideas	/4

Total	/30
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Total _____/30

Name:	Hour:
As you watch the pov	verpoint please fill in the blanks. Everything is in order of t
presentation.	
1.	is the using of science and math to solve
	nprove the world around us.
	is creating a plan or drawing to show how
something will I	
	ineering's Greatest Challenges
Name of the Control o	

4. Which one of the	ese types of engineers looks interesting to you? Why?
	se types of engineers looks interesting? Why?
	The state of the intercenting.
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	,
6. Steps of the Design	on Process are:
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7	What is the problem? What is my goal?
8	BrainstormWhat could be a solution?
9	How will I test it? Draw a diagram
10	Build It! Test it!
11	How can you change your plan or design?
	are the wants What you need to achieve. They are
	and
13	are the limitations. What causes problems?

14. How are scientists and engineers different?

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ENGINEERING AND COLLABORATION MACHINES

1. Draw a flowchart of causes and effects for your first machine below. Use the example of Jiwi's toast machine to get you started.

2. Write down a goal for your revised machine (What are you trying to accomplish?)

Draw out a plan for your new and improved machine below. Label any cause and effects of the new machine

3. Reflect on your final machine. Explain why your group chose the specific changes they made. How is your final machine improved from your first machine?
Collaboration Reflection
How do you feel your team did on this activity? Do you feel like all members worked equally to achieve your goal? Explain and be honest (only teachers will see your answers)
Rank yourself (1-4) using our collaboration rubric
Focus on Completion of Task Consideration of Others Contribution of Knowledge