-ull Name	Period	Date
ACID Took Ed Doo Foots	oth Finally and the same	
Williams Tech-Ed Pre-Engine	eering 8 th Final Innovation and Invention,	
Fill in the following blanks as	s a sentence stem for each step	
product or system. In this de	ess involves a series of steps that lead to esign challenge, students are to complete olution. The students should be able to de	each step and document
	- Students should state the challenge pro that will?	blem in their own words
STEP 2: Research the Proble Define Criteria-	m- Identify Criteria and Constraints –	
Define Constraints -		
deas as the group discusses	Solutions - Each student in the group showays to solve the problem. Labels and arey might move. These drawings should be	rows should be included
more thoroughly. Students something the straight lines and to make pacterly.	n - In this step, each student should develoach should create new drawings that are orthogonal top and side.) These are to be drawn nearts proportional. Parts and measurement	ographic projections atly, using rulers to draw ts should be labeled
How should the top and side	e drawings line up to each other and what	: is mean to be a 1:1 scale?

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their drawings. The teacher vacquire appropriate modeling	Ptotype - Students will construct a full-size will help identify the criteria and constraing materials. It construct something that does not meet	nts and have the student
	d work in teams and test the prototype. (lid it meet criteria and constraints. What	•
and help identify changes tha	oups may enlist students from other grou at need to be made. Based on criteria and oposed solutions. Is this collaboration?	•
_	tudents will examine and evaluate their particular their particular and begin the Engineering Design	

Assessment –	
Using the Engine	ering Design Process, this page will help document your team innovation or e 8 steps to create that item. You are going to build a prototype and give
details of what yo	our expectations are. Determine a way to test your solution.
Write in full and o	complete sentences and name each step.
Step 1	
Step 2	
tep 3	
Step 4	

Full Name ______Period_____

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Step 5	
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Step 6	
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Step 7	
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Step 8	

Date_____

Full Name _______Period______