Evaluator	NOAH	MARTIN	Team Number	\$5	Topic	DRAGILIFT
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## **Engineering Lesson – Dress Rehearsal Evaluation**

**Directions:** Mark Xs to indicate whether the following elements were included in the lesson.

Teachers = ODU presenting student; Students = Elementary School students

Introduction to Engineering	YES	Somewhat	NO
Teachers provided examples of problems engineers attempt to solve	/		
Teachers provided description of at least one field of engineering	/	36000	
Teachers explained the engineering design process	/	3000	
Comment:			
Engineering Design Process & STEM	YES/	Somewhat	NO
Teachers presented a clearly-stated engineering design challenge		/	
Teachers connected at least one science concept to the engineering design challenge			
Students imagined unique solutions to a problem			
Students selected a solution			
Students created a model based on their own design			
Students tested a model			
Students revised a model after testing			
Comment:			
5E Instructional Model	YES	Somewhat	NO
Engage (Short activities promoted curiosity and elicited prior knowledge)			
Explore (Students used the engineering design process to test their own ideas)	/	The second	
Explain (Students explained what they observed. Teachers clarified ideas and introduce new vocabulary)	/		
Extend/Elaborate (Students applied new understandings in a re-design or new context)	/	Company of	
Evaluate (Teachers helped students determine and reflect on what they learned during the lesson)		Same in the	
Comment:			
F			
Pedagogy & General Presentation	YES	Somewhat	NO
Teachers guided student learning through questioning (rather than lectured)	V,		
Teachers solicited learners' ideas and reflections	1	_ /41(1-43	
Teachers asked provocative questions that prompt students to reason (compare, contrast, analyze,	/		
synthesize, predict, classify, evaluate, etc.)	1		
Teachers communicated clearly and effectively to students	/		
All Teachers actively participated in the lesson	1		
All Teachers participated equitably in the lesson	V		
Most or all (elementary aged) students were engaged in the lesson weather like it :	/		
Most or all (elementary aged) students appeared to understand the concepts presented	/		
Comment:			

(Turn over to provide additional feedback $\rightarrow$ )

Strengths	Suggestions
what was the best part of the lesson and why was it effective?  - Collaboration of my fellow students as we sought to make better airplanes.  - There was high energy from both the presenters; the audiencel	What part(s) of the lesson could be enhanced? Why do these parts need development: were you confused? bored? What suggestions can you provide to improve the aspects?  - a hands - on example of what we're disassing would be before.
Describe specific actions (e.g. preparing supplies in baggies, asking questions as students build, etc.) that worked well.  - the choice of different colored oragami paper was an excellent choice - the array of supplies on the table was neat; readily accessible	Suggest specific actions that the group could take to make the lesson more effective.  - Associate their teaching congets with better examples