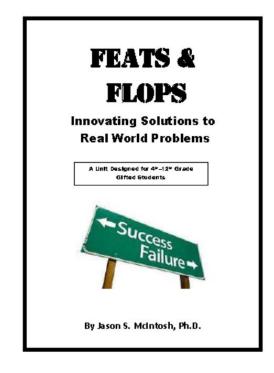
Feats & Flops

Innovating Solutions to Real World Problems

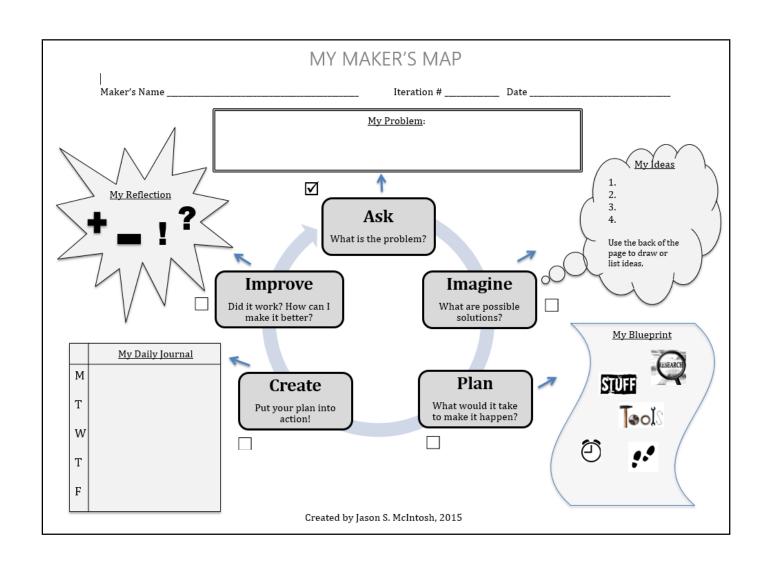
By Jason S. McIntosh, Ph.D.

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Abstract: The Feats and Flops unit includes nine weeks of lesson plans designed to meet the needs of gifted students in grades 4-12. The overarching goals of the unit are to enable students to (a) solve real world problems, and (b) transform into innovators, makers, and producers. Students will use the engineering design process, SCAMPER, and a new tool called "My Maker's Map" to innovate solutions to hypothetical scenarios and personal situations in their own lives. By the conclusion of the unit, students will have created a prototype of an invention, participated in a simulated "Shark Tank Junior" episode, completed a patent application for their idea, and planned a Maker's Faire for their school.



My Maker's Map & Innovation Notation Notebook

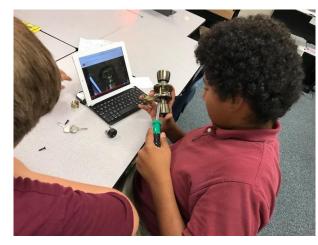


Feats and Flops Entry #1: Write your personal definition of a feat and give an example below:	Additional space for notes or sketchings	Innovation Notation Notebook
Feats and Flops Additional space for notes or sketching! Entry #1: Write your personal definition of a feat and give		Innovation Dr
Write your personal definition of a feat and give	1000 90	Date Grale
	Write your personal definition of a feat and give	



Examples

















Available through Royal Fireworks Press

Blueprint to Innovation Directions: Use the chart below to help you create a detailed plan for making your innovation come to life. The more thought you put into the plan before you begin, the less time the construction phase will take. Stuff Tools (Materials to construct prototype) (Eg. Wirecutter, saw, screwdriver) Time Steps (What to do first, second, third...) (An estimate of the time each step will take) Research (Questions to answer before construction begins)

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Or

Directly from Jason McIntosh

Name		Date		
<u>Des</u>	cription of Object BEFORE Disas	ssembly		
Name of Object	Brand			
Intended Purpose of Object:				
Sketch of the Object:				
Color	Siza			
Estimated Cost				
is any portion of the object toxic o	r dangerous? (circle one) WARNING! If you answere If you are not	ed yes, do no		
Is any portion of the object toxic o If you were to break this object do predict there would be?	WARNING! If you answere If you are not. We into each of its component	ed yes, do no sure, consult	t attempt to o	fisassemble the object scher.
If you were to break this object do predict there would be?	WARNING! If you answere If you are not. We into each of its component	ed yes, do no sure, consult pieces, h	t attempt to o	fisassemble the object scher.
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