



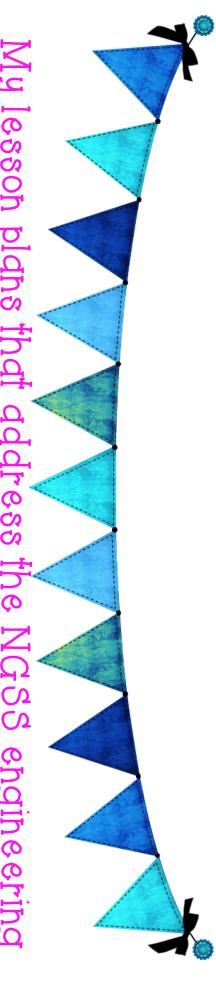
K-2-ETS1-1: Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool

K-2-ETS1-2: Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem

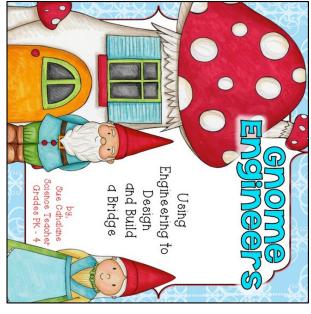
## Grades 8-5: ENGINEERING DESIGN

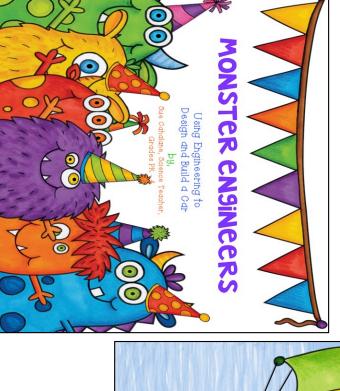
- 8-5-ETS1-1: Define a simple design problem reflecting a need or a want that included specified criteria for success and constraints on materials, time, or cost
- 8-5--ETS1-2: Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem
- 8-5-ETS1-8: Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved.

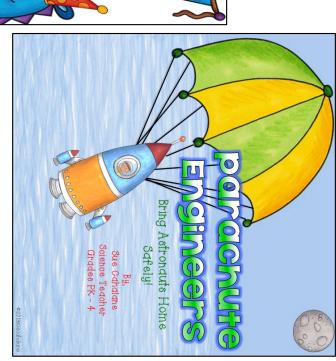
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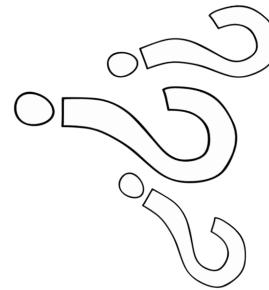
Name

## The Engineering Design Process

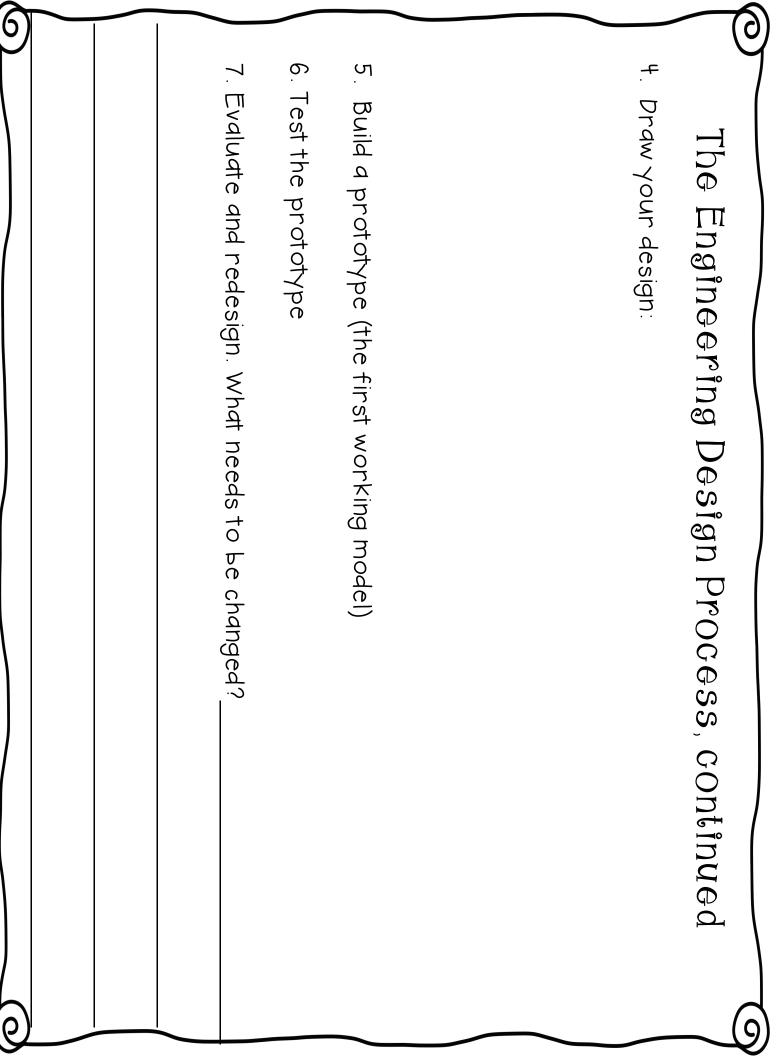
- Identify the problem
- 2. Research!
- Brainstorm ideas and solutions
- 4. Draw your design



- 6. Test the prototype
- 7. Evaluate and redesign



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	©2013s	DMS_			The Engineering Design Process



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Sue Cahalane

Science Teacher

Grades PK - 4

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