

ASK

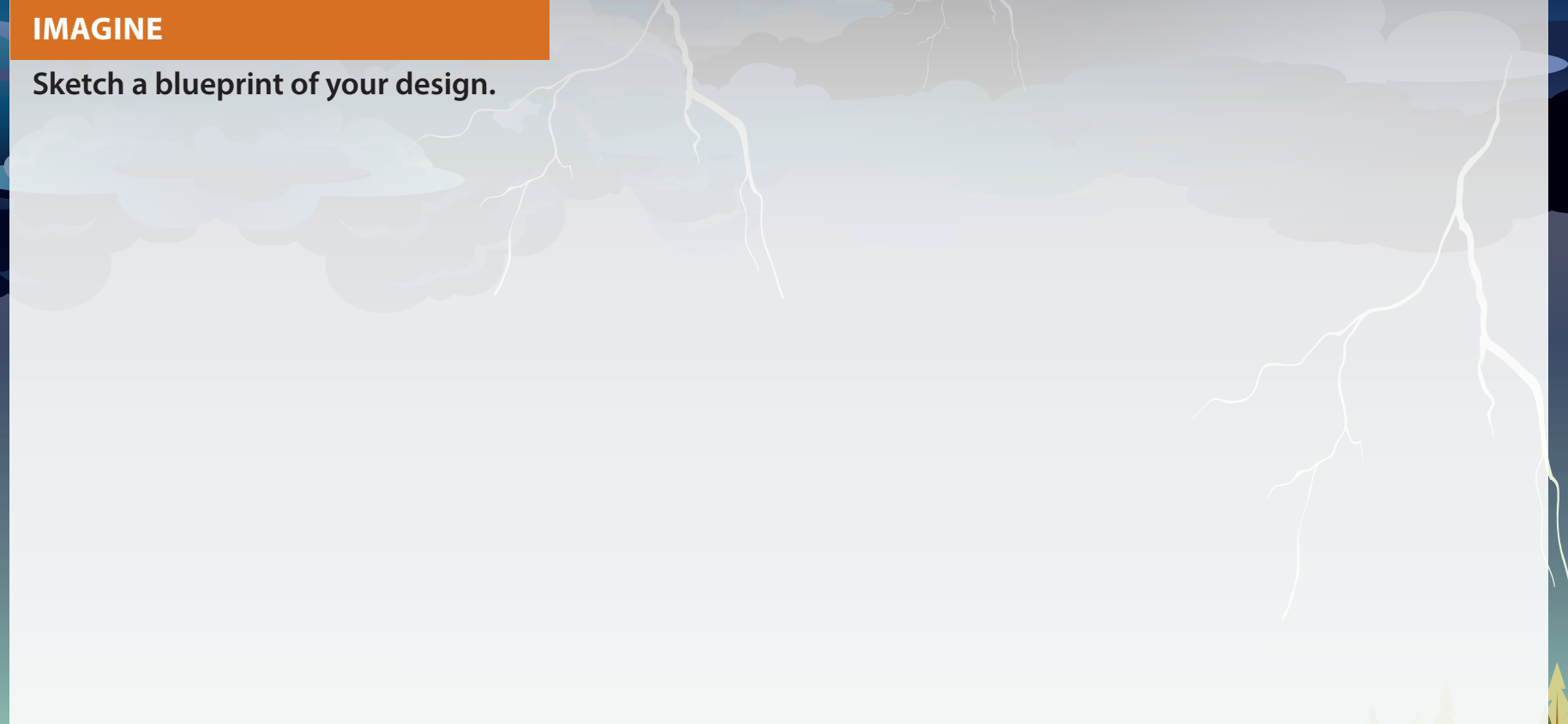
What is our challenge?

What criteria and constraints must we consider?

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IMAGINE

Sketch a blueprint of your design.



RIVER RESCUE

BUILD

Collaborate with your team to create a testable model.

EVALUATE AND IMPROVE

	Qualitative Data <i>Think:</i>	Quantitative Data <i>Think:</i>	Analyze Your Data Based on the data you collected, what changes do you need to make to your design?
Test Trials	<ul style="list-style-type: none"> • When we placed our bridge in the shipping container, we noticed... • When mass was added to our bridge, we observed... 	<ul style="list-style-type: none"> • When measured, our bridge successfully held... 	
Trial 1			
Trial 2			

SHARE

Why would the Army Corps of Engineers want to use your bridge to help in this crisis?

VOCABULARY VAULT

	Qualitative Data	Quantitative Data
	<ul style="list-style-type: none"> • Qualitative → Quality (Descriptions) • Data that can be observed but not measured • Appearance (color, size, shape), texture, smell, taste 	<ul style="list-style-type: none"> • Quantitative → Quantity (Numbers) • Data that can be measured • Length, height, quantity, area, volume, weight, time