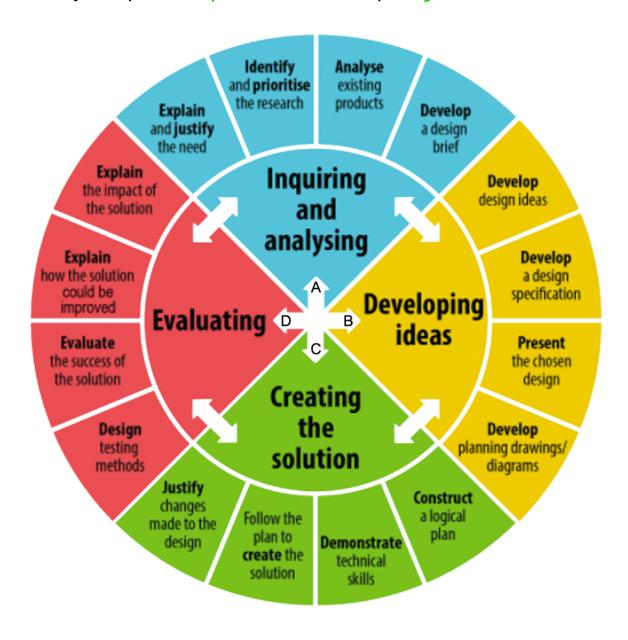
Project: 3 Act Math Task

Grade Levels: Middle School Grade 6 - 8

Subjects: Design (Woodwork) + Mathematics (Geometry)

Key Concepts: Development Related Concepts: Ergonomics and Form



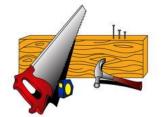
YouTube Link: https://www.youtube.com/watch?v=PXGQ1i1v61c



Name:	
	Section:

Act 1: The Intro

What did you notice?	
What questions do you have?	
Act 2: Wonder	
What ELSE did you notice?	
Why do you think the first 2 ideas were "bad"?	
What could she possibly be making?	



Name:	
	Section:

Act 3: The Reveal

What is being created?	
What is the problem?	
What MATH concepts do you need to solve this problem? Write down all formulas, values, etc that are relevant.	
What information do you need to accomplish this?	



Name:	
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Using the Guided Example(s) provided, solve the problem(s).	
Box A	
What is the assumption?	
Is this type of calculation accurate? Explain.	
Box B	
Box C	



Name:	
	Section:

Follow up questions: Local Connection

Where do you think the wood comes from?
What are some differences between the types of wood that are available to us? Such as the color, the grain, the treatment, etc? How would this impact your cuts?
Why do you think it is important to recycle or refurbish used materials, such as lumber?



Name:	
	Section:

Additional Space for written work