

Step	Activity	Approximate Duration	Grouping	Output
1	<u>Engage/Hook</u> <ul style="list-style-type: none"> • Show Scotty STEM Overview Video • Facilitate discussion using guiding questions • Record student answers to questions, observations and thoughts 	15-20 minutes	Whole class	a. Class chart of student answers to questions, observations and thoughts
2	<u>Introduce</u> <ul style="list-style-type: none"> • Read through the Task Overview • Discussion 	5-10 minutes	Whole class	a. Notes for Inquiry
3	<u>Explore Task Themes</u> <ul style="list-style-type: none"> • Explore Big Ideas/Essential Questions • Reinforce task theme(s) and connections to your academic content or unit 	10 minutes	Whole class	a. Class notes and observations b. Chart with answers to provided guiding questions
4	<u>Provide Context</u> <ul style="list-style-type: none"> • Read Goal, Role, Audience, Situation 	5-10 minutes	Whole class	a. Class notes that outline the context and purpose of the work
5	<u>Review Product(s)</u> <ul style="list-style-type: none"> • Read the product description of chosen product(s) • Watch the product video(s) • Go over the directions and what materials are needed 	10-15 minutes	Whole class, unless groups will work on different products	

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6	<u>Preparation for Learning and Group Research</u> <ul style="list-style-type: none"> • What do we need to know? • What do we want to know? • Why should we know? • Review Scotty STEM video once these questions have been identified 	10-15 minutes	Whole class	a. Class chart of questions and concepts that the class will research together
7	<u>Launch Group Research</u> <ul style="list-style-type: none"> • Read and discuss the Constructed Responses with associated prompts • Present Research materials and information for your instruction 	15-30 minutes	Whole class (May be individually completed if ready)	a. Group discussion of text and prompts (May be individually completed if ready)
8	<u>Produce your product</u> <ul style="list-style-type: none"> • Review product description • Review product video(s) if needed • Creation and/or collaboration of product 	15-30 minutes	Whole group, small groups or individual	a. Product(s)
9	<u>Present Product</u>	2-5 minutes	Whole group, small groups or individual	a. Final product(s)
10	<u>Product Fair/Presentation</u> <ul style="list-style-type: none"> • Consider inviting guests such as teachers, staff, principal or parents to view product display or presentation • Display products in hallway 	15-20 minutes	Whole class	a. Display or Performance of Group or individual finished products