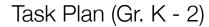


D Defined**Learning**

Step	Activity	Approximat e Duration	Grouping	Output
1	 Engage/Hook 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	IntroduceRead through the Task OverviewDiscussion	5-10 minutes	Whole class	a. Notes for Inquiry
3	 Explore Task Themes 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 observationsb. Chart with answers to provided guiding questions
4	Provide Context • Read Goal, Role, Audience, Situation	5-10 minutes	Whole class	a. Class notes that outline the context and purpose of the work
5	Review Product(s) 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	



D Defined**Learning**

Step	Activity	Approximat e Duration	Grouping	Output
6	 Preparation for Learning and Group Research 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	 Launch Group Research 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	Produce your product 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	Present Product	2-5 minutes	Whole group, small groups or individual	a. Final product(s)
10	 Product Fair/Presentation 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