

Name: _____

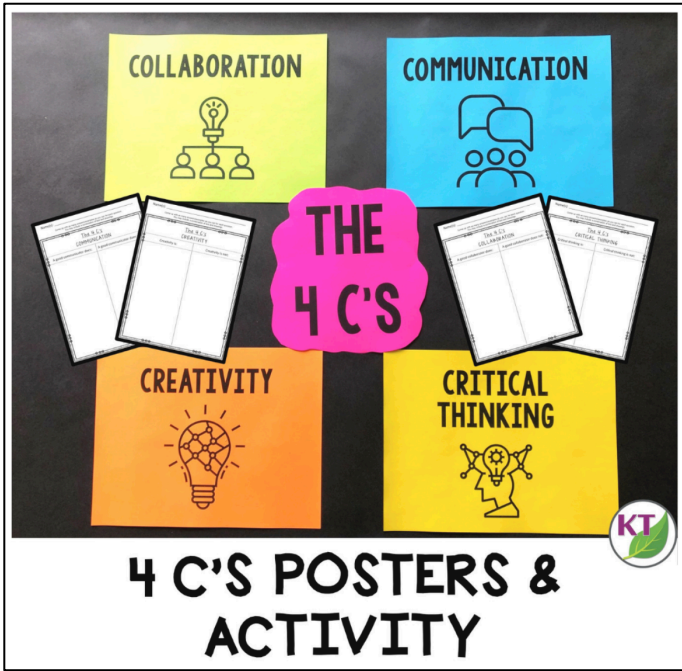
Total Points: ____/16

STEM Challenge: _____

Bonus Points: ____ for _____

4 C's Rubric	4	3	2	1
<i>Communication</i>	Consistently shares ideas and listens respectfully to others' ideas. Encourages team members to share their thoughts. After the challenge, participates fully in presentation/Q&A/discussions.	Usually shares ideas and listens respectfully to others' ideas. After the challenge, participates in presentation/Q&A/discussions.	Sometimes shares ideas and listens respectfully to others' ideas. May be off-task during the post-challenge presentation/Q&A/discussions.	Routinely speaks over others & tries to dominate the conversation, or doesn't participate in sharing ideas at all. Doesn't participate in post-challenge presentation/Q&A/discussions.
<i>Collaboration</i>	Consistently works well with teammates and supports everyone's efforts. Negotiates & accepts team decisions. Helps make the design successful even if the idea selected wasn't his/her own choice.	Usually works well with teammates and supports everyone's efforts. May have some difficulty accepting team decisions and working to help the group succeed.	Doesn't use time well, doesn't help much, and/or doesn't accept group decisions. Teammates often have to remind him/her to focus on the task.	Doesn't work well with teammates. Lets others do all the work or refuses to help after his/her ideas aren't selected by the team.
<i>Creativity</i>	Takes risks to design something truly different or "never-before-seen". May use the materials or apply the criteria & constraints in unexpected ways.	May draw upon ideas they've seen before (or in other groups' designs), but makes refinements & modifications. Always gives credit to those who inspired the design.	Uses ideas seen before (or in other groups' designs), but makes few refinements & modifications and/or fails to credit those who inspired the design.	Copies other's ideas without any improvements, modifications. or credit.
<i>Critical Thinking</i>	Actively looks for ways to solve problems while addressing the criteria & constraints. Identifies connections & patterns within the class designs, class work, and his/her life.	Often looks for ways to solve problems while addressing the criteria & constraints. Look for connections & patterns within the class designs, class work, and his/her life.	Generally tries to problem-solve, but ignores some of the challenge criteria & constraints. Demonstrates little effort in looking for patterns & connections.	Does not try to solve problems, fails to address the criteria & constraints, and/or gives up on the challenge.

The 4 C's of Engineering Rubric



The 4 C's of Engineering Rubric helps students understand the importance of practicing these skills and exactly how they can demonstrate each element.

Consider having students self-assess and/or assess each teammate.

The image to the left leads to a free resource you may want to add to your classroom.

You may choose to award bonus points for going above & beyond in any area, including asking insightful questions during group presentations.

Name: _____

STEM Challenge: _____ Bonus Points: ____ for _____

Total Points: ____ /16






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Related Resources






Everything You
Need to
Know About

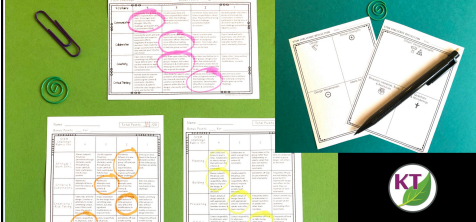


STEM CHALLENGES

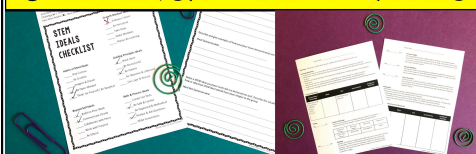
EMBRACE 	BE 	MAKE 	ALWAYS BE 	TAKE 
FAILURE	PERSIST	MISTAKE	LEARNING	RISKS

25 STEM IDEALS POSTERS

HARD 	PATIENCE 	RESOURCEFUL 	& UNBIASED 	REASON 
CURIOSITY	CREATIVITY	& DREAM	OPEN-MINDED	EPISTEMIC



STEM CHALLENGE UNIVERSAL TEMPLATES

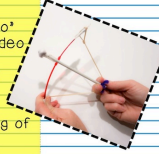


STEM CHALLENGE STARTER PACK FREEBIE

2nd - 8th NGSS Aligned

INCLUDES:

- Links to my "How-To" STEM Challenge video series
- Materials request parent letter (editable)
- Year-round catalog of STEM Challenges (including another freebie!)




SECRETS TO SUCCESSFUL STEM CHALLENGES





STEM CHALLENGE MEGA BUNDLE

2nd - 8th NGSS Aligned

A FULL YEAR OF ADAPTABLE STEM CHALLENGES

52 CHALLENGES



Credits:



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I look forward to your feedback. If you have questions or suggestions, please do not hesitate to contact me through any or all of the links below:

Thanks &
happy teaching!
~ Kerry

