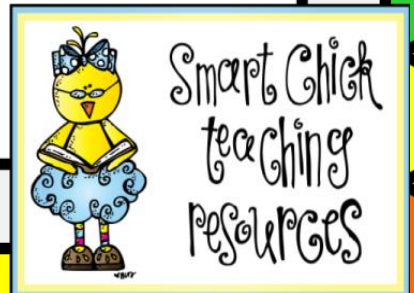


STEM

Engineering Challenges Student Role Sheets

A set of FREE student role sheets to use when completing the STEM engineering challenges!



Challenge Captain

- Make decisions for the team.
- Provide encouragement and support to team members.
- Make sure other team members are doing their jobs correctly.
- Help other team members do their jobs if needed.
- Record information on the lab sheet for the team.

Materials Master

- Gather materials for the team.
- Organize materials for the team as needed.
- Understand and communicate the correct use for each of the materials for the challenge.
- Make sure other team members are using the materials correctly.
- Request additional materials if needed.

Testing Coordinator

- Coordinate tests needed to check success for the team.
- Decide when tests of ideas are needed during the challenge.
- Determine when team is successful (based on test results) in the challenge.
- Make sure team is testing for success in the challenge correctly.
- Request additional time if needed.

Chief Architect

- Coordinate building for the team.
- Decide which ideas to use during the challenge.
- Suggest when a test may be needed in the challenge.
- Make sure team is building safely at all times.
- Request additional building help if needed.

Rapid Reporter

- Share the ideas used by team in order to complete the challenge with the whole class.
- Explain the solution the team used to solve the challenge.
- Explain challenges faced by the team during the challenge.
- Answer any questions from classmates about the challenge.

STEM Challenge Role Cards

<p>STEM ROLE CARDS: Cut out the cards and assign them to students or use a random draw in each group. You can use all five jobs, or you can pick and choose the jobs you would like to use! You may want to laminate these cards for durability!</p>	<p>Challenge Captain</p> <ul style="list-style-type: none">• Make decisions for the team.• Provide encouragement and support to team members.• Make sure other team members are doing their jobs correctly.• Help other team members do their jobs if needed.• Record information on the lab sheet for the team.	<p>Materials Master</p> <ul style="list-style-type: none">• Gather materials for the team.• Organize materials for the team as needed.• Understand and communicate the correct use for each of the materials for the challenge.• Make sure other team members are using the materials correctly.• Request additional materials if needed.
<p>Testing Coordinator</p> <ul style="list-style-type: none">• Coordinate tests needed to check success for the team.• Decide when tests of ideas are needed during the challenge.• Determine when team is successful (based on test results) in the challenge.• Make sure team is testing for success in the challenge correctly.• Request additional time if needed.	<p>Chief Architect</p> <ul style="list-style-type: none">• Coordinate building for the team.• Decide which ideas to use during the challenge.• Suggest when a test may be needed in the challenge.• Make sure team is building safely at all times.• Request additional building help if needed.	<p>Rapid Reporter</p> <ul style="list-style-type: none">• Share the ideas used by team in order to complete the challenge with the whole class.• Explain the solution the team used to solve the challenge.• Explain challenges faced by the team during the challenge.• Answer any questions from classmates about the challenge.

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Role Sheets FREEBIE

I hope you can use this freebie!

I post these STEM Challenge role sheets in the classroom. I copy each role sheet in a different color! I either assign roles or leave it up to a random draw using the small cards. I copy the cards on cardstock and then laminate them. I reuse them throughout the year. I make one set of cards for each of my six table groups, but I take out certain jobs some of the time.

Borders by:

Ashley Hughes <http://www.teacherspayteachers.com/Store/Ashley-Hughes-38>

Glitter Meets Glue Designs <http://www.teacherspayteachers.com/Product/Dashed-Glitter-Doodle-Badges-Frames-Clipart-56-Graphics-Glitter-Meets-Glue>

