

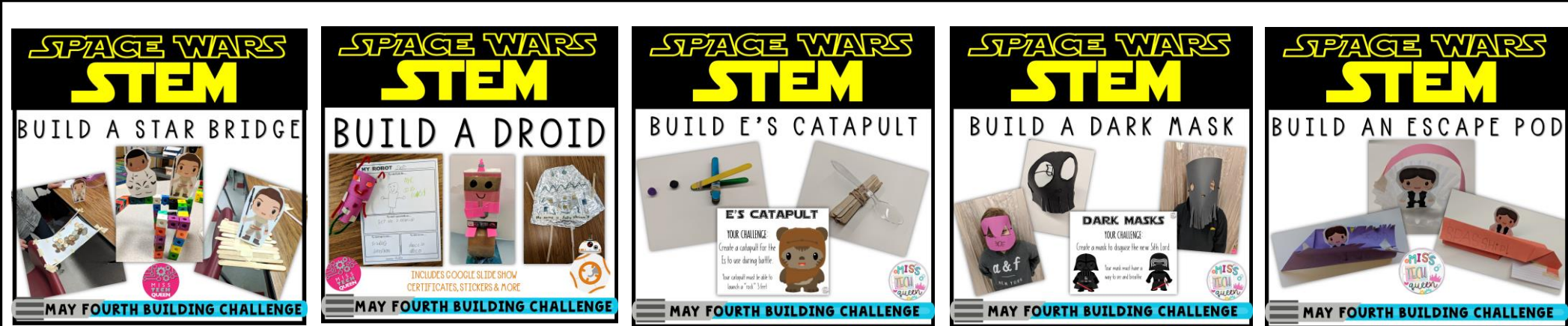


SPACE WARS

STEAM

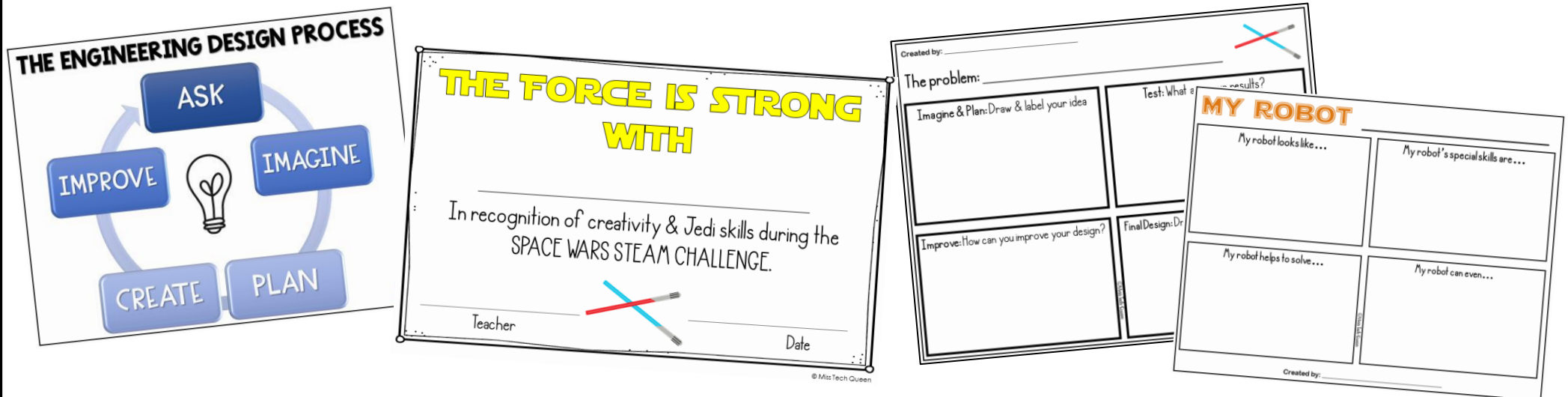
HIDEOUT BASE

If your students LOVE this STEM challenge, they will LOVE all 6 May Fourth themed challenges!



Get 30% OFF with the Space Wars STEM BUNDLE

ADD TO CART



Each challenge includes certificates, printable stickers & digital slide show

TEACHER TIPS



This hands on activity is a great way to include STEM into your classroom.

In this download you will find two styles of task cards, student made examples, a design process poster, student response sheets for different levels.

Needed Materials:

- Classroom Building Materials (you can select to provide students with reusable materials or materials they can cut/tape and save)
- Cardboard
- Wooden Blocks
- Activity response sheets
- Dry erase pockets – optional to reuse sheets
- Popsicle Sticks
- Magformers
- Index cards
- Legos
- Construction Paper
- Plastic Blocks

DIGITAL VERSION



Google Slide Show – Create a copy that will go into your own Google Drive.

- Edit the slide show as needed.
- Delete slides in the slide show that you do not want to use.
 - Display task cards & problems onto the board in front of the classroom
 - Share the slide show to your students through an educational platform.
 - Students can go through the lesson on their own, watch the video, complete activities & begin the STEM challenge.
 - Use this version in class to save paper

LINK HERE

<https://docs.google.com/presentation/d/1AiVKQo7KTanvpjVRqNbs2eMdY7jk3wklbkUNlzC3vMI/copy>

To share one on one:

- Provide each student with their own copy of the slide show.
- Modify slide show to meet your students' needs. Delete unwanted slides.
- Students can type in & record responses digitally. Students can insert photos of their creations.
- Share through Google Slides, Microsoft Teams, or even Seesaw as photos.

ACTIVITY



Decide if you would like to provide this challenge as a center or whole class activity. Students can work with a partner or in a small groups. Student creations will & should look different! This allows for student creativity!!!

Directions

- Instruct students to create a safe base for the rebels.
Print out the characters on cardstock, laminate and cut out for a more interactive experience.
- Encourage them to explain how their base will work and where the two exits & secret hiding space are.

Whole Class

- Display the digital task card to your class or provide groups with a small task card
- Review the engineering design process
- Provide students with the suggested materials & at least 25 minutes to create
- Provide students with the appropriate response sheet & discuss thoughts at the end

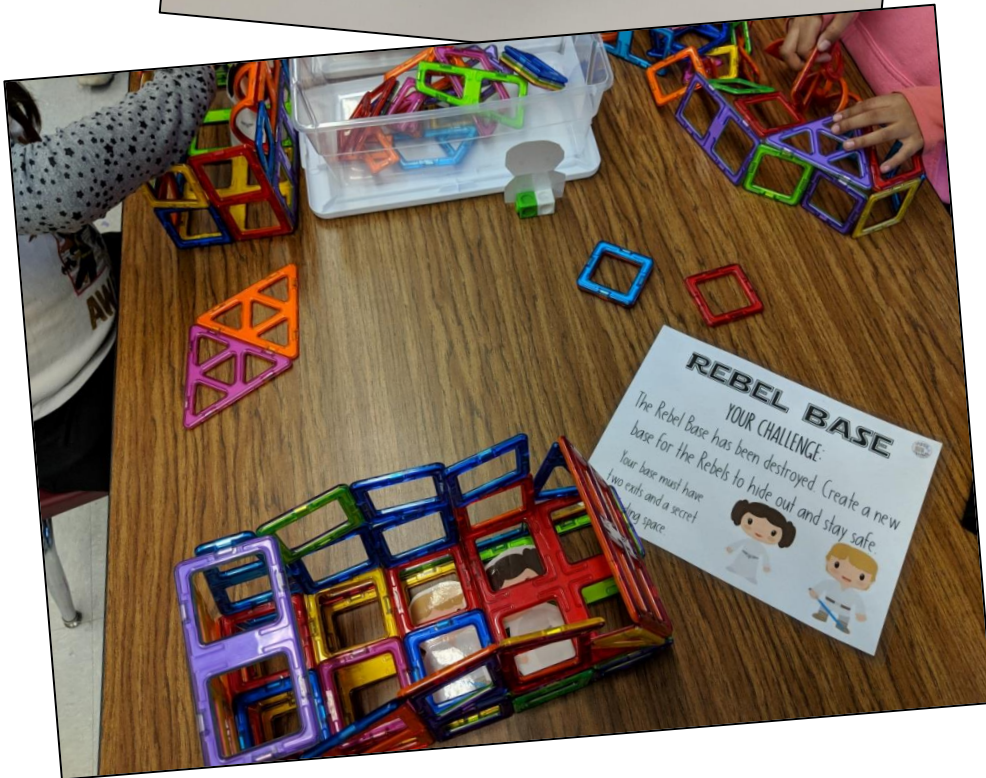
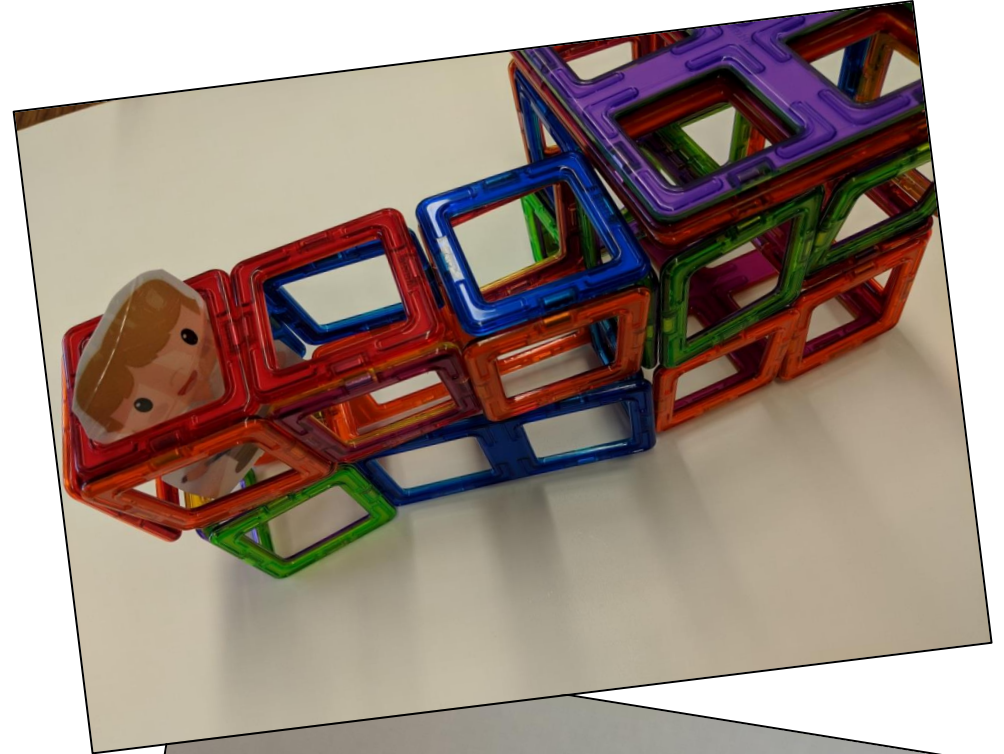
Centers

- Select the activity sheet that best matches with your students' level
- Laminate the sheet or put inside a dry erase pocket sleeve & provide students with dry erase markers. Students can each draw & write on the sheet, then erase before moving to the next center
- Provide the task card, along with materials at the center
- Give students at least 15 minutes to complete the task & response

After Challenge

- To encourage team work, students can share their creations/drawings with the class.

STUDENT MADE SAMPLES

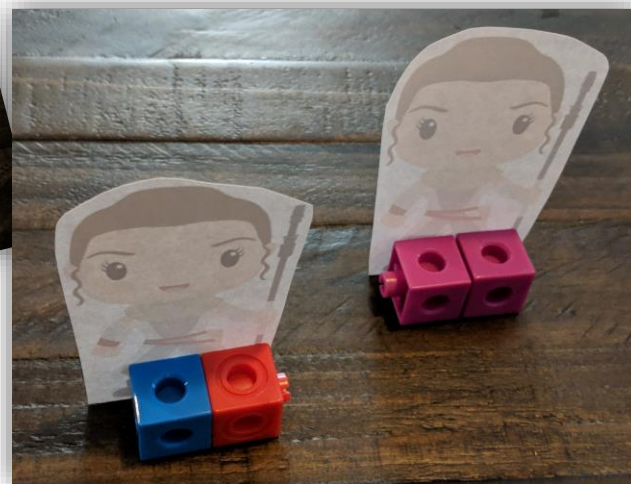


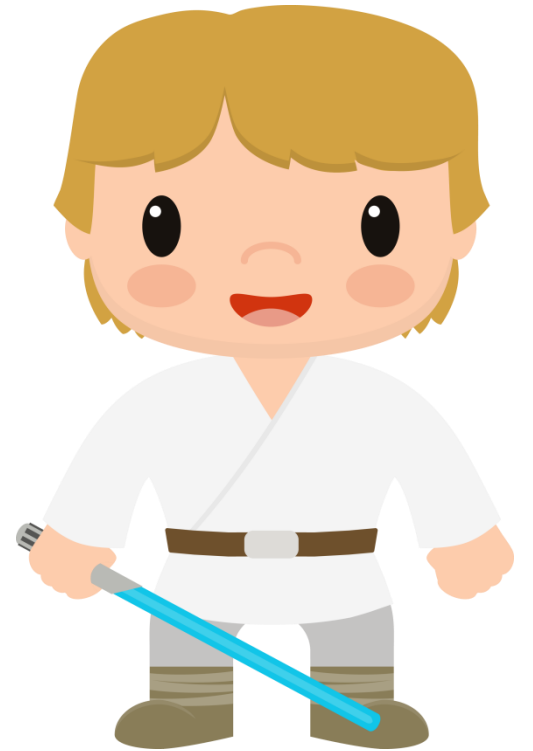
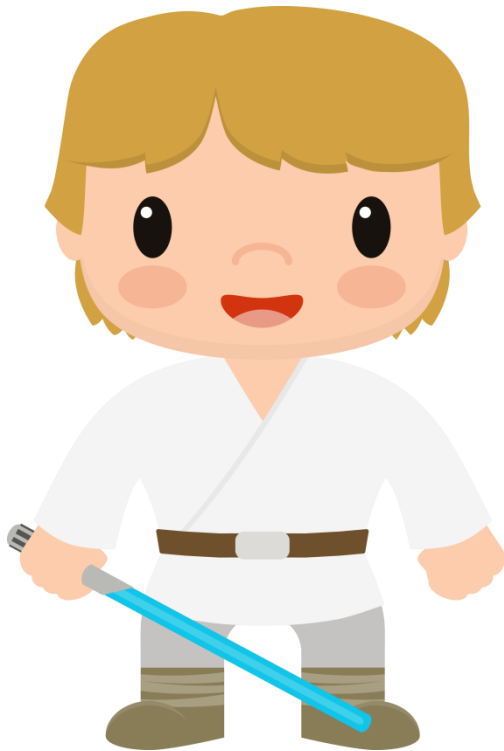
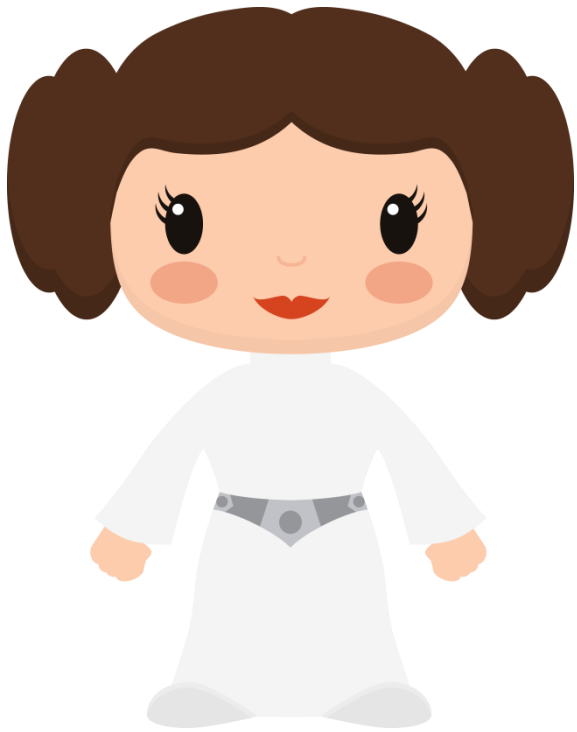
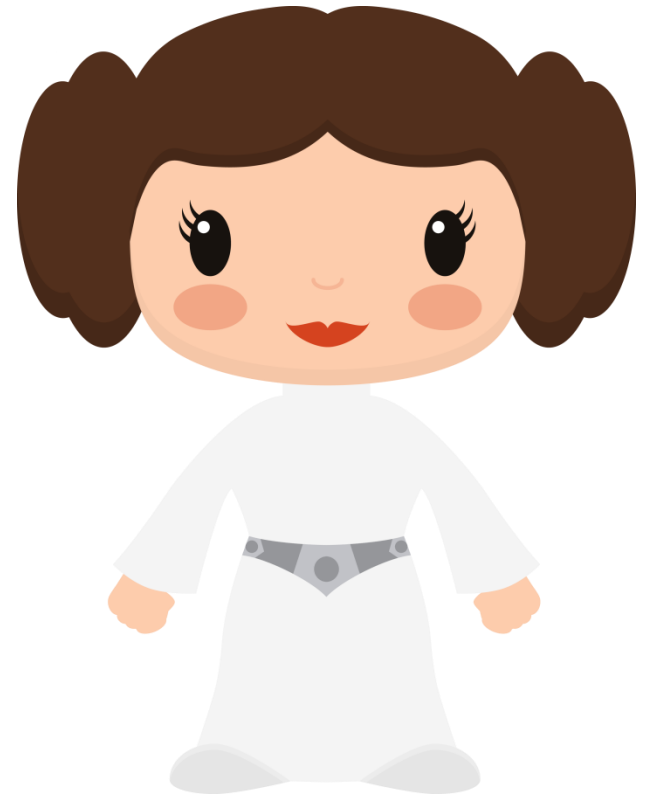
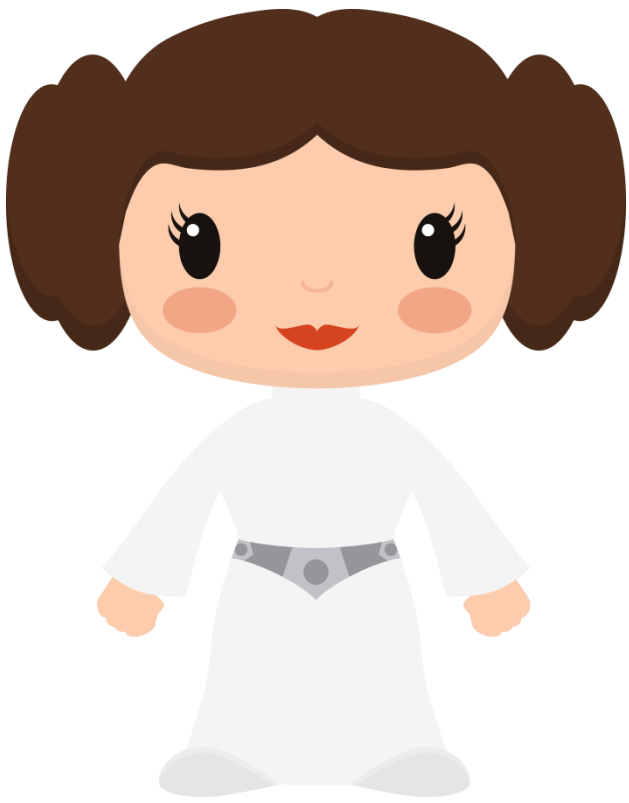
CHARACTER CUT OUTS



To create a more interactive challenge, use the included characters!

- Print characters on cardstock
- laminate & cut out
- Tape a unit cubes behind the character to allow it to stand up freely
- Putting a binder clip on the bottom of the character will also help it stand
- Provide at the challenge station!





TASK CARDS

Select & print the task card that fits your students' level

Options

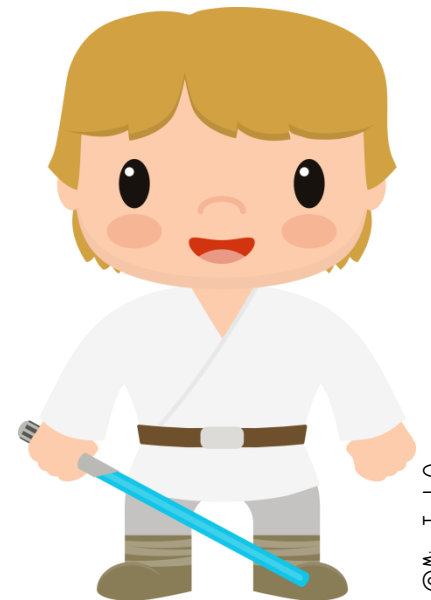
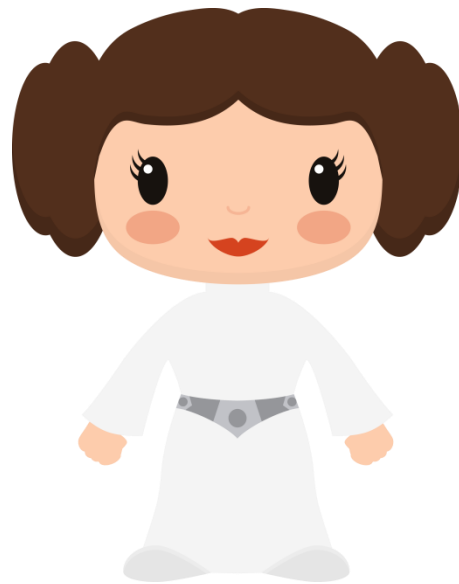
- Large task cards
- Small task cards

HIDEOUT BASE

YOUR CHALLENGE:

The base has been destroyed. Create a new base for the Rebels to hide out and stay safe

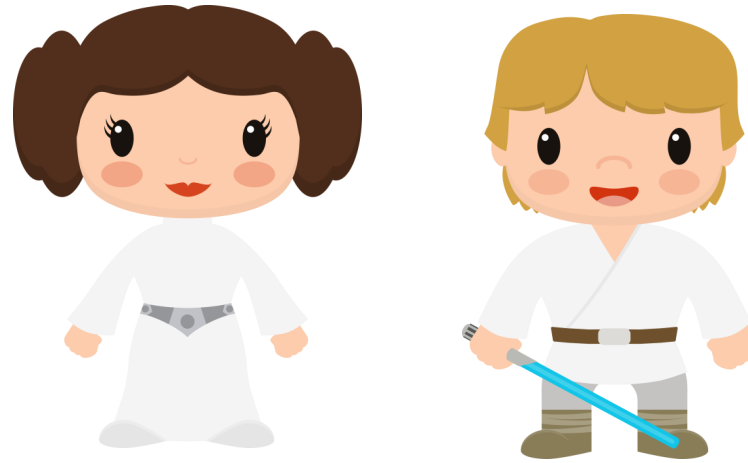
Your base must have two exits and a secret hiding space



HIDEOUT BASE

THE PROBLEM:

The base has been destroyed



THE CHALLENGE:

Create a new base for the Rebels to hide out in & stay safe.
Your base must have two exits & a secret hiding space.

THE ENGINEERING DESIGN PROCESS



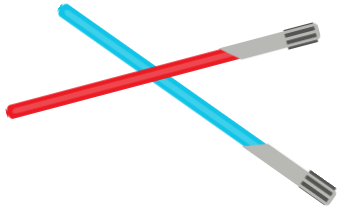
ACTIVITY RESPONSE SHEETS

Select & print the response sheets
that fits your students' level

Options

- Draw a photo
- Draw a photo & free write about the challenge
- Design process sheets with steps
- Math response sheet

Created by: _____

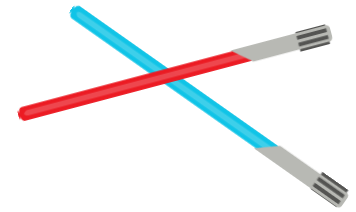


HIDEOUT BASE

I created:

A large, empty rectangular box with a thick black border, intended for drawing or writing a description of the 'hideout base'.

Created by: _____



HIDEOUT BASE

I created:

How my design works:

Created by: _____

HIDEOUT BASE

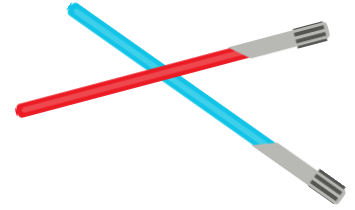
The problem: Build a hideout for the rebels. Your home must have two exits.

Imagine & Plan: Draw & label your idea

Test: What are your results?

Improve: How can you improve your design?

Created by: _____



The problem: _____

Imagine & Plan: Draw & label your idea

Test: What are your results?

Improve: How can you improve your design?

Final Design: Draw & explain your final creation

CERTIFICATE

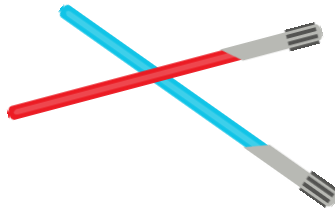
Print certificates for each student
who completes the challenge!



THE FORCE IS STRONG WITH

In recognition of creativity & Jedi skills during the
SPACE WARS STEAM CHALLENGE.

Teacher



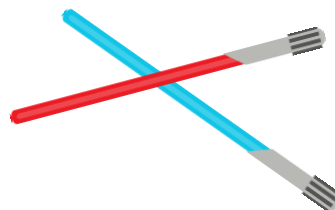
Date

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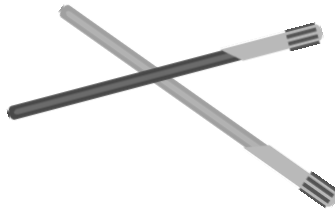
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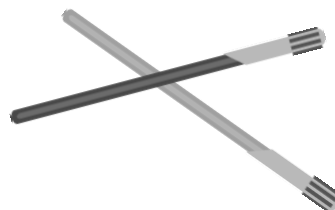
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Teacher



Date

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Thank You **FOR YOUR SUPPORT!**

Hi STEM lovers! I'm Dena!

- I am currently an **enrichment & technology** teacher for grades 1-4 in New Jersey. I've also been a homeroom and special education teacher. I have my Master's degree & Supervisor cert.
- I have a 3.5-pound teacup **Yorkie**
- My family is from **Greece, Switzerland & Canada**
- I was so **lost** when I was placed into a new position teaching **350 students** a week in five different grade levels, this led me to create & share my own resources.
- I hope your students benefit from these activities just as much as mine do!
- **I love to see your students using these activities.** Feel free to tag me in photos on social media [@MissTechQueen!](#)



Thank you for supporting my store!
I am so grateful you trusted me to be a small part of your classroom.
Let incredible things happen in your classroom with STEM!

[VIEW MY WEBSITE](#)

**MISS
TECH
QUEEN**

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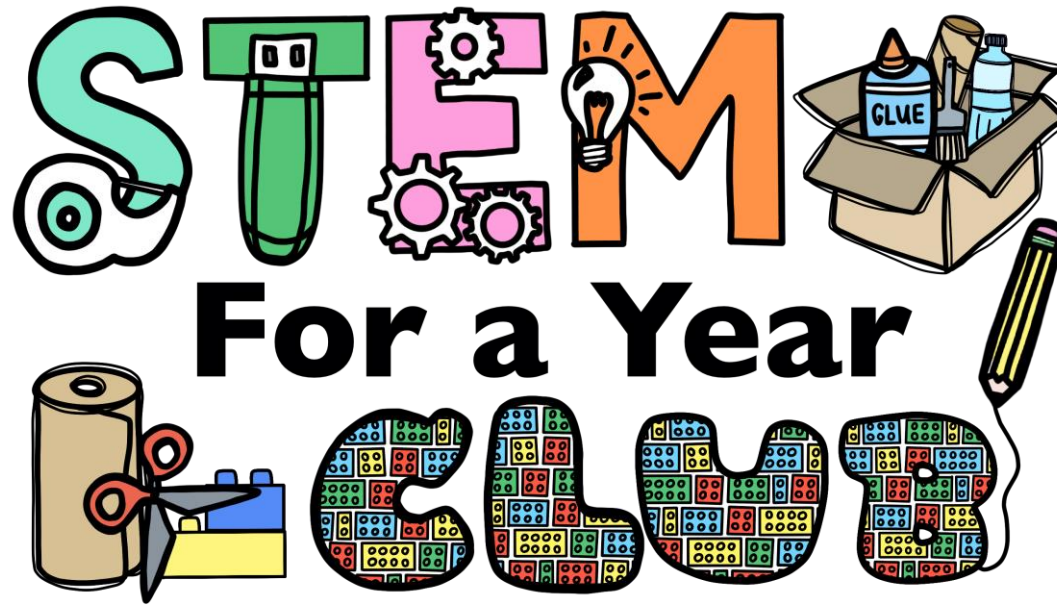
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