
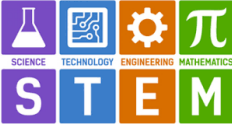


Monday 6th December

STEM - Rapunzel Challenge



Dec 5-12:08



This week you will be working in pairs on a number of different STEM activities all to do with Rapunzel.

Let's start by acting out the story of Rapunzel...

Dec 5-12:12


Rapunzel has a fixed mindset!

Fixed MindSet

1 Mistakes mean that I failed.

2 This is too hard.

3 I will never figure this out.



4 My first idea didn't work.

5 I'm not good at this.

6 I can't make this any better.

Dec 5-12:15


The prince has a growth mindset.
How can we change Rapunzel's statements.

Fixed MindSet

1 Mistakes mean that I failed.

2 This is too hard.

3 I will never figure this out.



4 My first idea didn't work.

5 I'm not good at this.


6 I can't make this any better.

Growth MindSet

1

2

3



4


5

6


Dec 5-12:15

BRAINSTORM IDEAS


How can Rapunzel get down from the tower safely?
Write and draw all your ideas for this challenge.



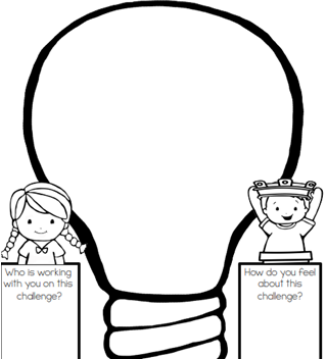
Now it's time for you to brainstorm your ideas.



Who is working with you on this challenge?




How do you feel about this challenge?



Dec 5-12:39

Tuesday 7th December

STEM - Rapunzel Challenge



Dec 5-12:08

1

BRAINSTORM IDEAS

How can Rapunzel get down from the tower safely?
Write and draw all your ideas for this challenge.

Yesterday you came up with your idea!
Look back over your "brainstorm" sheet.

Who is working with you on this challenge?

How do you feel about this challenge?

Dec 5-12:39

Now, it's time to make your idea!

-You will only have 20 minutes.

-Only use materials you need. Don't waste materials!

-Work as a team with your partner, you should both be involved!

Dec 5-12:41

Now, it's time to test your ideas.

-Does your idea work?

-If it does, great! How could you make it even better?

-If it doesn't work. Use a growth mindset, how can you improve your idea?

Dec 5-12:41

STEM Challenge Review

Some of the ideas we had:

We chose this idea:

We made a model and tested it. Did it work? Why or why not?

Idea to improve our model:

Finally, it's time for you to review your idea.

I used a growth mindset during my STEM challenge when _____

Dec 5-12:47

Friday 10th December

STEM - Rapunzel Challenge

Dec 5-12:08

STEM Challenge Review

Some of the ideas we had:

We chose this idea:

We made a model and tested it. Did it work? Why or why not?

Idea to improve our model:

Recap over your review from Tuesday.

I used a growth mindset during my STEM challenge when _____

Dec 5-12:47

Now it's time for you to improve your idea. Use the materials to improve your idea.

Dec 5-12:47

Thinking Back...



Reflect and write about your learning.

How did you feel about collaborating with others?

Did you feel frustrated during some parts of the challenge?

What do you think you learned during this challenge?

Is there anything you would change about this challenge next time?

Dec 5-13:03