

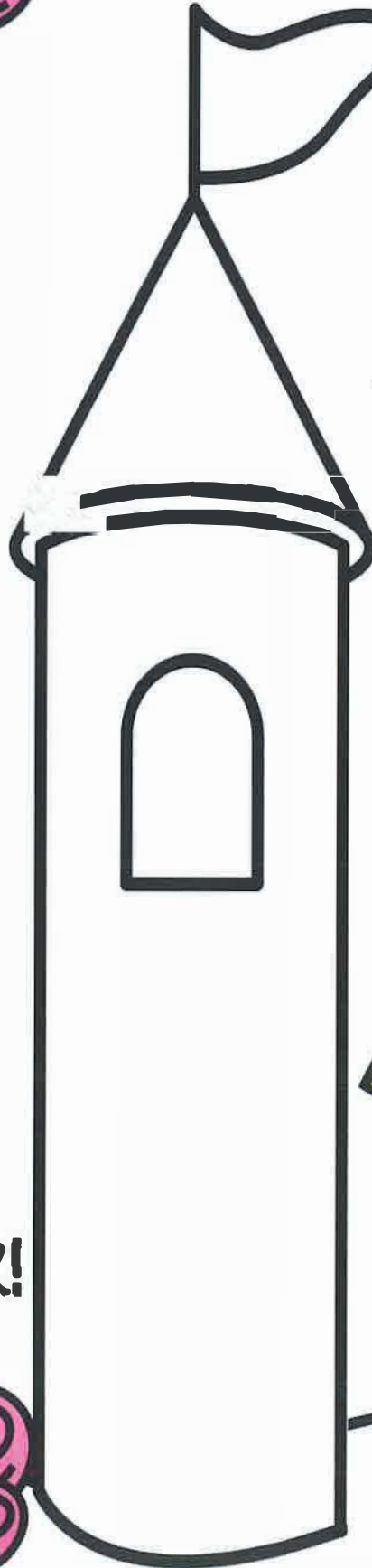


Challenge

Rapunzel  
has been  
locked in the  
tower too  
long! She  
needs you to  
rescue her!

Can you help her?

She needs an **ENGINEER!**





Challenge

# ENGINEERS!

Engineers must plan and carry out INVESTIGATIONS

## What you need to know:

Rapunzel's tower is about the height of your chair. When you are testing your invention, use your chair.

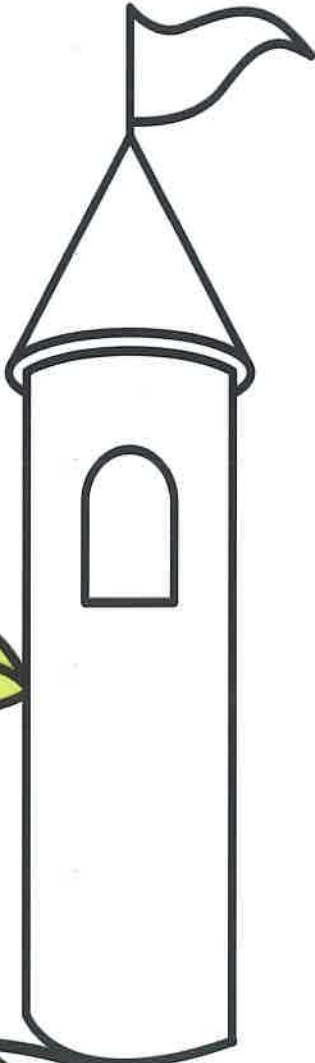
### **Your Materials:**

Tape, string, glue, paper, scissors, something to act as Rapunzel

Name:

# My PLAN

Sketch your plan for how you will get Rapunzel safely out of the tower in the space below.





# Engineering Log

Engineers must plan and **carry out investigations**

After you create your design, test it using your chair.  
After each test, fill in your Engineering Log below.

If your design was successful put a check mark in the box. If not, put an X. Then try to improve your design.

Number	Sketch your design here	Check or X
#1		
#2		
#3		



Name:

# REFLECTION

Did you successfully get Rapunzel out of the tower?  
Why or why not?

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What was the hardest part?

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Name:

# REFLECTION

Sketch the design that worked the best below.

It doesn't have to be the one that your group made.

Why do you think **this** design was the most successful?

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