

# ENGINEERS WEEK READING & ACTIVITY CHALLENGE

**RAPUNZEL IS READY TO ESCAPE FROM HER TOWER, CAN YOU HELP?**

## THE CHALLENGE

1. Read Rapunzel's story
2. Gather the materials to help Rapunzel escape!
3. Design a tower and invent an escape for Rapunzel using the engineering design process
4. What will help Rapunzel escape? Could it be a zip line, a ladder, a pulley, a slide, or a catapult? Try them all!
5. Build an escape using whatever materials you have and decide which method works best.
6. Be as creative as you like!

## USEFUL MATERIALS

- Sellotape, glue & staplers
- Milk cartons or cereal boxes
- Toilet paper tubes or paper coffee cups
- Shoe boxes
- Straws, pipe cleaners or string
- Safety scissor
- Rapunzel's picture
- Crayons, markers, glitter or stickers to decorate



### ASK

What's the challenge?  
How can you solve it?

### IMAGINE

What are some solutions?  
Brainstorm ideas with your team



### PLAN AND CREATE

Make a drawing.  
Use your plan to test your ideas with your team

### IMPROVE

Think about what could work better.  
Modify your design and try again!



Name: \_\_\_\_\_

Date \_\_\_\_\_

What's Needed For today's challenge?

Problem solving  
Creative thinking

Team work  
Communication

What is today's challenge?

What ideas do you have for completing the challenge?

Design it!

What can we change to make it better?

What worked well?

What didn't work well?

