

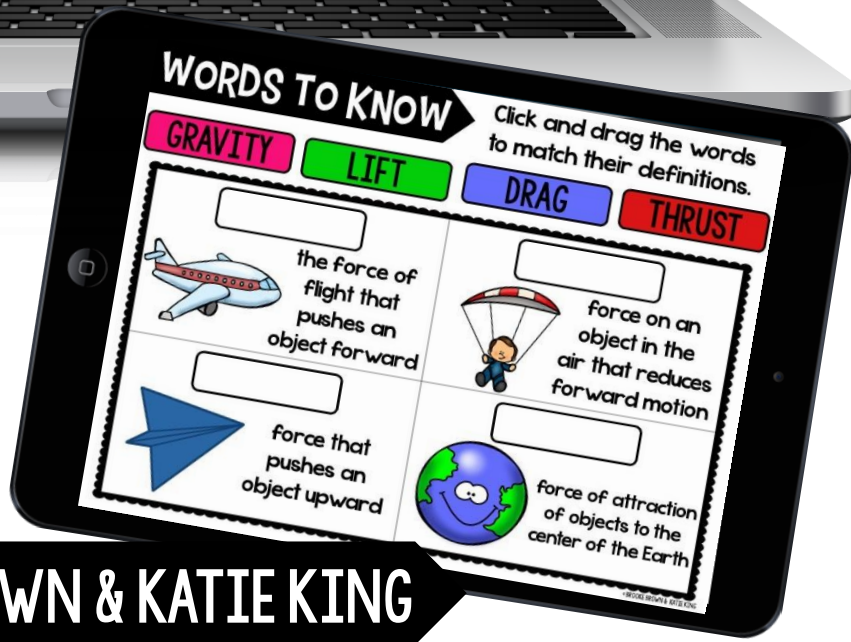
storybook **STEM**



AFTER THE FALL

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FORMATS**

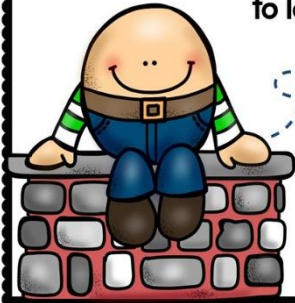


CREATED BY BROOKE BROWN & KATIE KING

IT'S A BIRD! IT'S A PLANE!

Can you create a paper airplane that will fly the farthest distance?

You may also decorate your airplane to look like a bird!



MATERIALS:

- Paper
- Crayons or Markers
- Yardstick or Measuring Tape

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WITH STUDENTS
IN GOOGLE
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INTERACTIVE VIDEOS AND TEMPLATES

CLICK & ASSIGN
ACTIVITIES
IN SEESAW

Activity Library

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Link Brooke Brown

Assign...

Student Instructions

AFTER THE FALL (STEM CHALLENGE)

CAN YOU CONSTRUCT A PAPER AIRPLANE THAT WILL FLY THE FARTHEST DISTANCE?

You will need

- * PAPER
- * CRAYONS or MARKERS
- * TAPE MEASURE or YARDSTICK

Visit the link to watch videos about flight and paper airplanes.

Tap [Add resources](#)

Students will edit this template

Follow the instructions on each slide:

WORDS TO KNOW: Tap [🔍](#) to drag vocabulary words to match the definition.

THINGS THAT FLY: Type words in the boxes.

MAKE A PLAN: Tap [✎](#) to make a blueprint of your design.

TEST IT OUT: Type measurements in the boxes.

SHARE YOUR DESIGN:

Tap [📷](#) to take a picture of your finished paper airplane design.

STEM

WORDS TO KNOW

Click and drag the words to match their definitions.

GRAVITY

LIFT

DRAG

THRUST



the force of flight that pushes an object forward



force on an object in the air that reduces forward motion



force that pushes an object upward



force of attraction of objects

EXPLORE FORCES OF FLIGHT

Go to the link in the instructions to watch a video about the four forces of flight.



EXPLORE FORCES OF FLIGHT

How Airplanes FLY



EXPLORE PAPER AIRPLANE DESIGNS

Go to the link in the instructions to watch a video about paper airplane designs and visit foldnfly.com!



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Can you create a paper airplane that will fly the farthest distance?

You may also decorate your airplane to look like a bird!



MATERIALS:

- Paper
- Crayons or Markers
- Yardstick or Measuring Tape

SHARE YOUR DESIGN

Add a picture of your finished paper airplane

Add a video of your paper airplane flying

MAKE A PLAN



Use drawing tools or shapes to make a blueprint of your paper airplane design.



EXPLORE PAPER AIRPLANE DESIGNS

CLICK HERE TO VISIT FOLDNFLY.COM



TEST IT OUT

How far did your paper airplane fly?
Use a yardstick or tape measure to measure the distance of three different flight tests.

TEST	DISTANCE
1	
2	
3	

ELA

Compare and Contrast

When someone is **comparing** two things, they are looking for how they are alike.



When someone is **contrasting** two things, they are looking for how they are different.

admit to tell the truth about something

heights

Try it out!

Insert a photograph of yourself showing how the character might look in an illustration.

bandage

Think About It!

Look at the 1.17 mark

Nursery Rhyme

After the Fall is based on the popular nursery rhyme "Humpty Dumpty". Here are some examples of nursery rhymes:

Match the name of the nursery rhyme to the correct picture.

Nursery Rhyme

A nursery rhyme is a short rhyme for children that tells a story. Many times the poem is set to music.

1.

2.

3.

Watch this Clip!

Use the link in the directions to watch the Michael Jordan video on YouTube.

What does this have to do with Humpty's story?

Humpty Dumpty sat on a wall,
Humpty Dumpty had a great fall.
All the king's horses and
All the king's men,
Couldn't put Humpty
together again.

Write a sentence about each picture using your vocabulary words.

Write a sentence about each picture using your vocabulary words.

Write a sentence about each picture using your vocabulary words.

Write a sentence about each picture using your vocabulary words.

