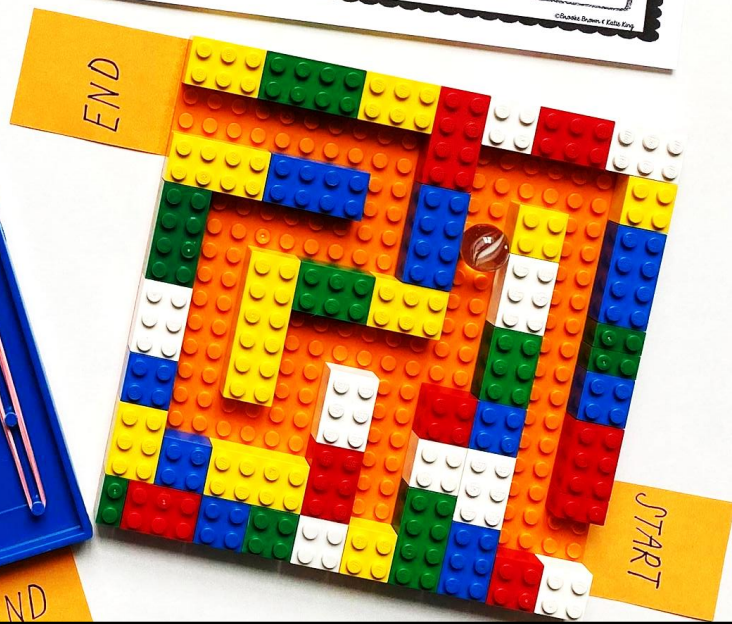
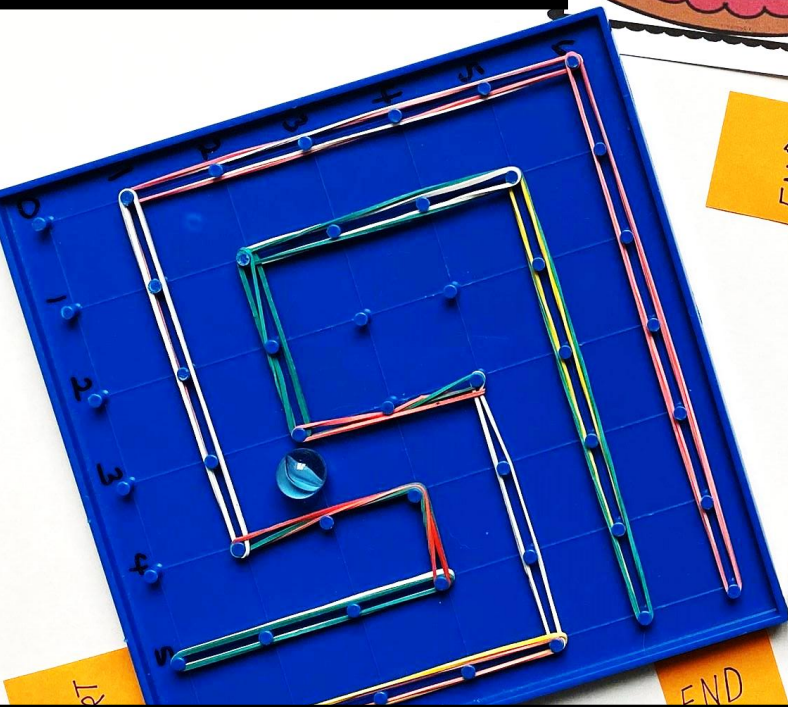


# storybook STEM

## HOW TO CATCH A TURKEY



CREATED BY BROOKE BROWN AND KATIE KING

# K-1<sup>ST</sup> VERSION

## LET'S EXPLORE FORCES!

### WHAT IS FORCE?



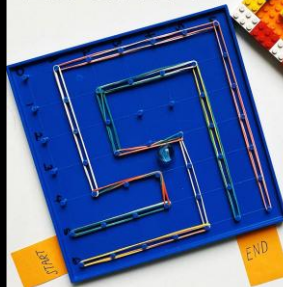
### FRICITION



### FIRST LAW OF MOTION



## THE GREAT TURKEY ESCAPE



## THE GREAT TURKEY ESCAPE

How to Catch a Turkey

NAME: \_\_\_\_\_

### MY BLUEPRINT

Draw a picture of your maze.

Draw your materials.

Label your maze.

★ = START  
● = END

Did your turkey (marble) get from the beginning to the end of the maze?

YES NO

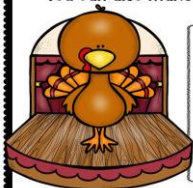
How many OBSTACLES are in your maze?

How many DEAD ENDS are in your maze?

## THE GREAT TURKEY ESCAPE

The turkey needs to escape and get to the stage!

Build a marble maze and help the turkey (marble) get from the beginning to the end of the maze. You can also make dead ends and obstacles.



### YOU WILL NEED:

- marble
- building bricks and baseplate OR geoboard and rubber bands
- sticky notes

## THE GREAT TURKEY ESCAPE

What obstacles did Turkey face?

What are the important parts of mazes?

## THE GREAT TURKEY ESCAPE

### PUSH



a force that moves an object away from you

### FRICITION



the resistance of motion when one object rubs against another

## LET'S EXPLORE FORCES!

### UNBALANCED FORCES



### FIRST LAW OF MOTION



### FRICITION

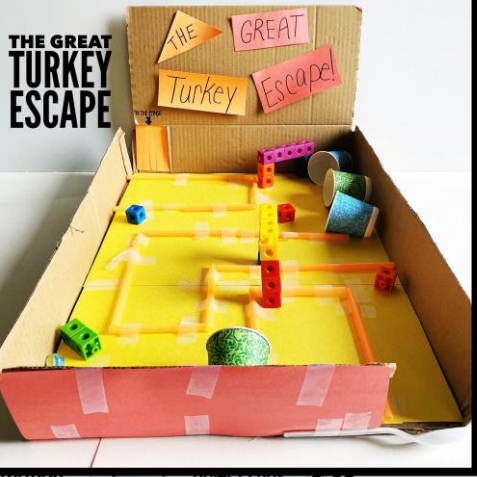


### MAZE MAKER



# 2<sup>ND</sup>-4<sup>TH</sup> VERSION

## THE GREAT TURKEY ESCAPE



## THE GREAT TURKEY ESCAPE



### BALANCED FORCE



equal forces that cause no change in motion

### UNBALANCED FORCE



unequal forces that cause a change in motion, such as speed or direction

## TURKEY ESCAPE

How to Catch a Turkey

NAME: \_\_\_\_\_

### MY BLUEPRINT

Draw your maze.

List the OBSTACLES in your maze.

- 1
- 2
- 3

What examples of BALANCED force did you observe as your marble moved through the maze?

What examples of UNBALANCED force did you observe as your marble moved through the maze?

## THE GREAT TURKEY ESCAPE

The turkey needs to escape and get to the stage!

Build an obstacle course and help the turkey (marble) get from the beginning to the end of the course.

Your course must include an entrance, exit, dead end, and 3 or more obstacles.



### YOU WILL NEED:

- marble
- plastic spoon
- straws
- building bricks or linking cubes
- construction paper
- tape



# K-1<sup>ST</sup> VERSION

The turkey gets scared and runs away.

## Sequence



The sequence is the **order** in which the events of the story happen.

## Sequence

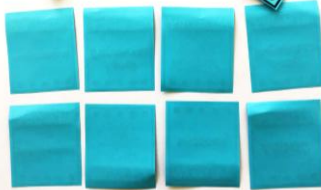
**B**



**M**



**E**



I have something to **GOBBLE** about!

**Dinner**  
I was **STARVING** last night so I ate three huge bowls of pasta.

**Bold**

**Words**

STAGE FRIGHT

**Effect?**

the words look like someone is scared

GOOPY

sticky and messy

QUICK!

The turkey is really fast!!!

STAR

think about Spotlights

FUN

instead of fear he could have a best time.

## BOLD WORDS



The kids thought they could stop me here, but I was much too **QUICK!**

Authors make choices in their writing like making words stick.



**Dig Deeper**  
Teacher Questions for **How to Catch a Turkey**  
1. Have you ever been scared? What can you tell us about that?  
2. After reading the first couple of pages, what can you tell us about the writing? What would an author include there in a story? (imagery and help predicting)  
3. Why does the turkey run away?  
4. Can you make a bet to tell yourself how you ever experienced stage fright?  
5. Look closely at the illustration. What is your favorite attempt at catching the turkey?  
6. Why do you think the author chose to have matches positioned be one of the traps?  
7. Do you think the audience knows it's a trap yet?

E  
L  
A

# ELLA



2ND-4TH  
VERSION

I have something to **GOBBLE** about!

**Sleep**

ZZZZ!

**Sentence:**  
I was snoring loudly zzzzzzz the neighbors co

**Why this?** The up of the "z's" make think of the rhyth

**bold Words**  
to create **VOICE**

**1st Person Point of View**

I broke out of my pen and ran away!

With a big hop and a mighty flap, I managed to escape it all!

My heart was racing!

The story is being **told** by one of the characters.

The kids thought they could stop me here, but I was much too **QUICK!**

Authors make choices in their writing (such as making words stick out) that add interest.



**Bold Words**

**Effect?**

- STAGE FRIGHT** → the words look like someone is scared
- GOOPY** → sticky and messy
- Quick!** → The turkey is really fast!!!
- SHIN** → think about spotlights
- FUN** → instead of fear he could have t best time.

**1st Person Point of View**

I could taste the freedom of outside. It was almost mine!

I was determined not to let them catch me.

Those pesky kids were definitely not on my trail.

He managed to get out of every trap we set... until NOW!

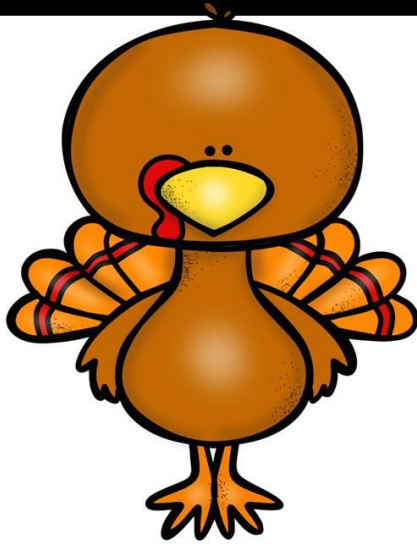
My catapult was prepped and ready to go.

I launched it at just the right moment BAM!

When I was pulling back on my catapult I saw the turkey make a move towards the living room window. I backed faster. The turkey was mine.



# storybook **STEM**



## HOW TO CATCH A TURKEY

—BROOKE BROWN & KATIE KING

**GOOGLE SLIDES  
& SEESAW  
FORMATS**

**THE GREAT TURKEY ESCAPE**

**MAZE MATERIALS**

What **OBSTACLES** are in your maze?

- 1 \_\_\_\_\_
- 2 \_\_\_\_\_
- 3 \_\_\_\_\_

How many dead ends are in your maze?

Did your turkey (marble) get from the beginning to the end of the maze?

**YES NO**

**NOW INCLUDES DIGITAL COMPONENTS!**

## WORDS TO KNOW

Click and drag the words to match their definitions.

## FORCE

**PUSH**

## OBSTACLE

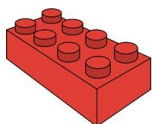
## FRICTION



a push or pull on an object



a force that  
moves an  
object away  
from you



something  
that blocks  
motion




the resistance  
of motion when  
one object rubs  
against another

© BROOKE BROWN & KATIE KING


**CLICK & SHARE  
WITH STUDENTS  
IN GOOGLE  
SLIDES**

# INTERACTIVE VIDEOS AND TEMPLATES


# CLICK & ASSIGN ACTIVITIES IN SEESAW



# storybook STEM



Brooke Brown



Assign...

## Student Instructions

### HOW TO CATCH A TURKEY K-1st (STEM CHALLENGE)

The turkey needs to escape and get to the stage!


Can you build a marble maze and help the turkey (marble) get from the beginning to the end of the maze.

You can also make dead ends and obstacles.

**YOU WILL NEED:**

- \*marble
- \*MAZE OPTIONS:
- building bricks and baseplate
- geoboard and rubber bands
- straws, tape, and cardboard
- paper rolls/cardboard and tape

Students will edit this template



## HOW TO CATCH A TURKEY

©2018 MARSdenWORKS


**THE GREAT TURKEYS** 1/7

YOU WILL NEED:

1. A turkey (marble)

2. A maze (geoboard, rubber bands, straws, tape, cardboard, paper rolls)

3. A stage (cardboard)

Tap  Add response

Follow the instructions on each slide:

🔗 LET'S EXPLORE FORCES!: Tap the links to visit websites and videos about bones and angles.

**T** THINK AND WRITE: Write at least one fact or idea in each box.

**W** WORDS TO KNOW: Tap and drag vocabulary words to match the

# DIGITAL STEM

## WORDS TO KNOW

Click and drag the words to match their definitions.

PUSH

OBSTACLE

FRICTION

FORCE



a push or pull on an object



a force that moves an object away from you



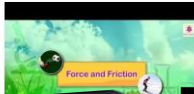
something that blocks



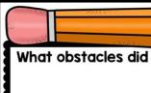
the resistance of motion

## LET'S EXPLORE FORCES

### FORCE, WORK & ENERGY



### NEWTON'S LAWS OF MOTION



## EXPLORE FORCES

### THINK AND WRITE

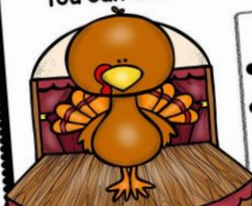
What obstacles did Turkey face?

What pushes, pulls, and other forces did Turkey face?

## THE GREAT TURKEY ESCAPE

The turkey needs to escape and get to the stage!

Build a marble maze and help the turkey (marble) get from the beginning to the end of the maze. You can also make dead ends and obstacles.



### YOU WILL NEED:

- marble
- OPTIONS FOR MAZE:
  - \*building bricks and baseplate
  - \*geoboard and rubber bands
  - \*straws, tape, and cardboard
  - \*paper rolls/cardboard and tape

## MAKE A PLAN

Use drawing tools or shapes to make a blueprint of your maze.

Label your maze.

- ★ = START
- = END

## THE GREAT TURKEY ESCAPE



Add a picture or video of your maze in action!

## THE GREAT TURKEY ESCAPE

The turkey needs to escape and get to the stage!

Build an obstacle course and help the turkey (marble) get from the beginning to the end of the course.

Your course must include an entrance, exit, dead end, and 3 or more obstacles.

### YOU WILL NEED:

- marble
- cardboard box

## THE GREAT TURKEY ESCAPE

### MAZE MATERIALS

What OBSTACLES are in your maze?

- 1
- 2
- 3

How many dead ends are in your maze?



Did your turkey (marble) get from the beginning to the end of the maze?

YES NO

## MAKE A PLAN

Use drawing tools or shapes to make a blueprint of your obstacle course. Label the ENTRANCE, EXIT, DEAD ENDS, and OBSTACLES.

Click and drag the words to match their definitions.

BALANCED FORCE

FORCE



the resistance of motion when one object rubs against another



unequal forces that cause a change in motion, such as speed or direction



# DIGITAL ELA

Put the pieces to the correct column based on the beginning, middle, and end of the clip.

## Sequence

**B**



**M**



**E**



## VOCABULARY

Match the vocabulary word to the correct picture. Use each word twice.



## BOLD WORDS



The kids thought they could stop me here, but I was much too **QUICK!**

Authors make choices in their writing like making words stick out so readers pay close attention to them.

## TEACHER TALK!

A word in bold letters or all capital letters will make a reader think a little bit longer.



nce

**E**

Draw a picture you have taken to demonstrate each word and then write a sentence with that word.

goopy



sticky, wet, and a little lumpy

mascot



a symbol for a school or organization

crowning glory



the most important part of a person or thing

preparations



## TEACHER TALK!

When we talk about the beginning, middle, and end of a book, we are talking about the order in which the events happen. What usually happens in the beginning of a book? What about the middle? Okay, now end? It is super fun to recognize these patterns as a reader!



## Sequence



The sequence is the **order** in which the events of the story happen.

## I have something to GOBBLE about!



Directions: Students should write a sentence with a bold word around the topic for each section. Check out the example below:

**Sleep**



I am so tired I could sleep **FOREVER!**

**M**

**E**





# DIGITAL ELA

## 1st Person Point of View

Directions: Insert a selfie or drawing of yourself. Write a paragraph about trying to catch the turkey. Students should circle or highlight pronouns that emphasize first person point of view.



Hmmmm. **I** know that turkeys like eating seeds, berries, and insects. **I** bet if **I** laid a bowl of their favorite foods, **I** could drop a net over top of them to catch them!

## VOCABULARY

Match the vocabulary word to the correct picture. Use each word twice.

### TEACHER TALK!

Look at the poster for 1st person point of view! We will be looking for words like "I" and "me" as clues that the story is being told by one of the characters. \*Be careful not to be tricked by conversations inside quotation marks though. That will mess you up!



the most important thing a person or place has to offer

### 1st Person Point of View

I broke out of my pen and ran away!



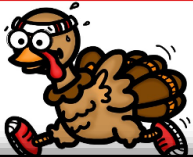
With a big hop and a mighty flap, I managed to escape it all!

My heart was racing!

The story is being **told** by one of the characters.

the act of getting something ready

## bold words to create VOICE



### TEACHER TALK!

A word letters capital I will mc reader little bit

## I have something to GOBBLE about!



Directions: Students should write a sentence with a bold word around the topic for each sections. Check out the example below:

### Sleep



I am so tired I could sleep **FOREVER!**

Why?

I made the word "forever" bold to show just how tired I am.

## 1st Person Point of

Directions: Write 3 examples of how the text would be written from that character's perspective.

Turkey's



Girl's

Party

Sentence:

Why this?

