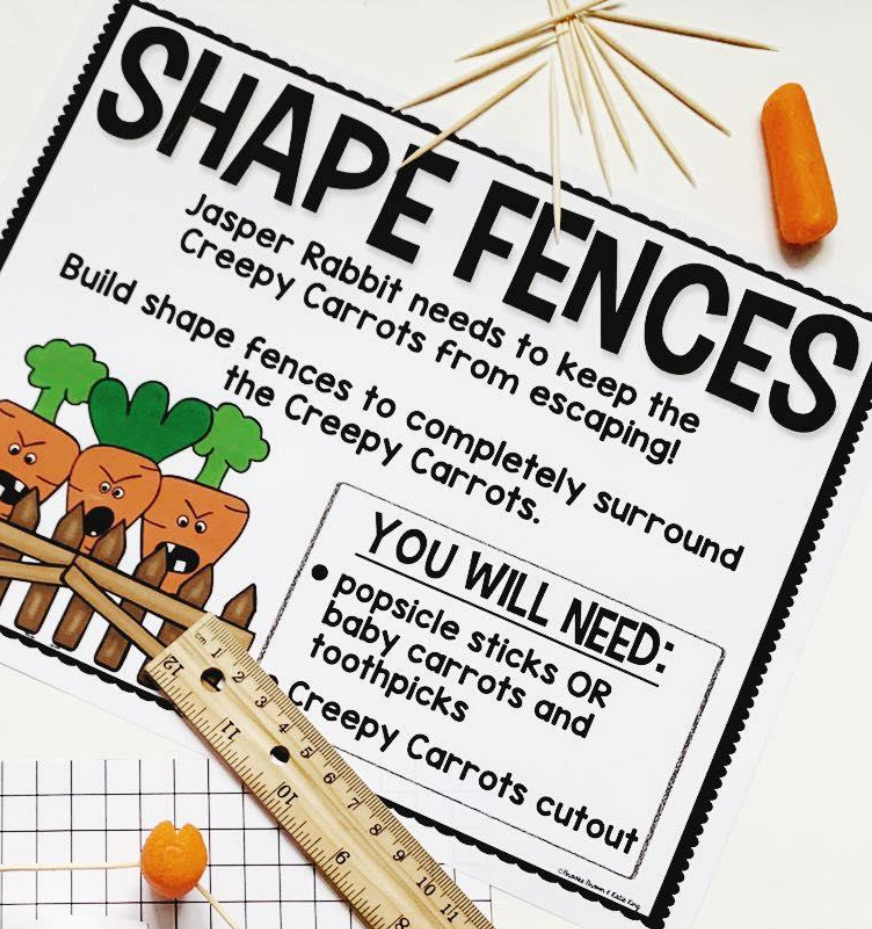


storybook

STEM CREEPY CARROTS



CREATED BY BROOKE BROWN AND KATIE KING

K-1ST VERSION

SHAPE FENCES

Jasper Rabbit needs to keep the Creepy Carrots from escaping!

Build shape fences to completely surround the Creepy Carrots.



YOU WILL NEED:

- popsicle sticks OR baby carrots and toothpicks
- Creepy Carrots cutout

SHAPE FENCES

POLYGON



a flat, two-dimensional shape that is made up of straight lines and is closed

QUADRILATERAL

a polygon with four sides

VERTEX



a corner where two sides of a shape meet

ENCLOSE



to surround or close off on all sides

LET'S EXPLORE POLYGONS!

SHAPE DESIGNS



POLYGONS SONG



WHAT ARE POLYGONS?

SHAPE CONSTRUCTION



SHAPE FENCES

Picture of Shape	Name of Shape	Number of Sides	Number of Corners (Vertices)

SHAPE FENCES

Jasper Rabbit needs to keep the Creepy Carrots from escaping!

- 1) Build shape fences to completely surround the Creepy Carrots.
- 2) Measure the perimeter and area of each fence.
- 3) Calculate the cost of your materials.



YOU WILL NEED:

- popsicle sticks OR baby carrots and toothpicks
- Creepy Carrots cutout

SHAPE FENCES

Creepy Carrots

Can you build these shape fences?

SHAPE	Number of Sides
triangle	
square	
rectangle	
rhombus	
trapezoid	
pentagon	
hexagon	
circle	

MY BLUEPRINT

Draw a picture of your own fence design.

SHAPE FENCES

POLYGON

QUADRILATERAL



a flat, two-dimensional shape that is made up of straight lines and is closed

VERTEX



a corner where two sides of a shape meet

SHAPE FENCES

Creepy Carrots

Can you build, measure, and calculate the costs of these shape fences?

SHAPE	Number of Sides and Vertices	PERIMETER	AREA	COST OF MATERIALS
triangle				
square				
rectangle				
rhombus				
trapezoid				

LET'S EXPLORE POLYGONS!

SHAPE DESIGNS



WHAT ARE POLYGONS?



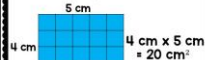
SHAPE FENCES

How to Find Perimeter

Measure the lengths of each side of the shape, then add them all together.
 $3 + 3 + 3 + 3 + 3$
PERIMETER = 15 cm

How to Find Area

To measure the area of a shape, count the number of squares on the inside OR multiply the number of rows by the number of columns.



$4 \text{ cm} \times 5 \text{ cm} = 20 \text{ cm}^2$

COST OF MATERIALS



MATERIALS	COST
Carrots or Popsicle Sticks	\$2.00 each
Toothpicks	\$0.50 each

SHAPE FENCES

Picture of Shape	Name of Shape	Number of Sides	Number of Corners (Vertices)

2ND-3RD VERSION

DESIGN YOUR OWN SHAPE FENCE

NAME: _____

MY BLUEPRINT

Draw a picture of your own fence design.

How many SIDES?

How many VERTICES?

What is the PERIMETER?

What is the AREA?

What is the COST OF MATERIALS?

Plot twist

How was the problem solved for Jasper?



He built a fence and a moat around the field of carrots.



How was the problem solved for the carrots?



The fence and moat keep Jasper away from them!

What was the "Plot Twist" at the end for the readers?



The carrots are really smart! They figure out how to protect themselves.

Plot Twist



book is where the usually solved. e is a **surprise** problem/solution. rred to as a **plot** ist!

Name: Beau

Plot twist

Setting:

- Meadow Elem. School
- Present Day

CHARACTERS:

- Brad
- Leland
- M.J.
- Coach Gerald

PROBLEM:

- Leland always picks on his teammates.
- Everyone a boy
- He do

PLOT TWIST:

M.J. ar what l care o and m He's a

passion

a strong feeling of excitement for something

Imagination

creative thinking

approach

to get closer to

crisp

firm but breaks easily

Plot twist

Author: Beau

E L A

ELA

From Jasper's perspective there is definitely something very wrong with his favourite food. The carrots appear to be following him and he's scared they are going to get him!

Carrots' Perspective...

Perspective

PERSPECTIVE - how characters view the events of the story. Someone's experiences, culture, physical traits, and personal experiences shape how they see the world.

Dig Deeper Teacher Questions for Creepy CARROTS

Jasper Rabbit has a passion for carrots. What do you have a passion for? Don't be afraid to just food!

How else would you describe Jasper in relation to how he acts about carrots besides passionate?

How did the illustrator show you that there weren't creepy carrots in the story? How did he make them stand out?

Can you make any links to self connections? Have you ever had your parents check your room for scary things?

How did the illustrator show that Jasper had a great idea?

What plan did Jasper come up with to keep the carrots away?

He was fed for two wild carrots, nothing happened.

He hit into one. Nothing happened.

What? Creepy carrots... It was ridiculous!

Perspective

What do the different characters think about the butterfly?

Bees' perspective: A friend in need!

Butterfly's perspective: She's beautiful!

Thoughts - she needs help

Actions - get her into the chrysalis

Eagle's perspective: Yummy!!

Eagle's perspective: Easy Dinner!

Thoughts - insects are Prey

Actions - snatches her out of the sky

Name: Molly

Directions: Draw and write about each word.

CLICK!

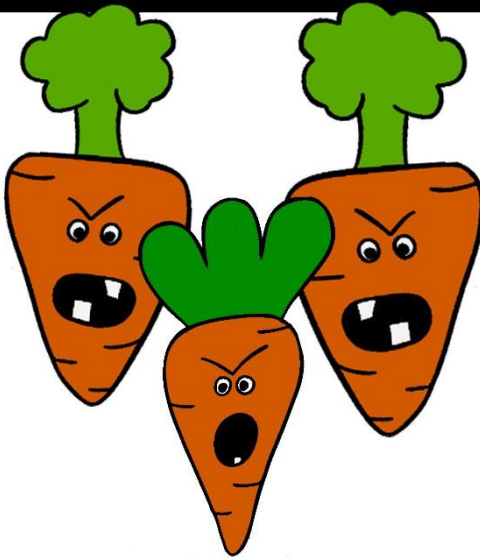
Imagination (Creative Unleash)

His imagination is wild. He thinks about walking on the moon.

approach (to get closer to)

I will approach the rabbit quietly.

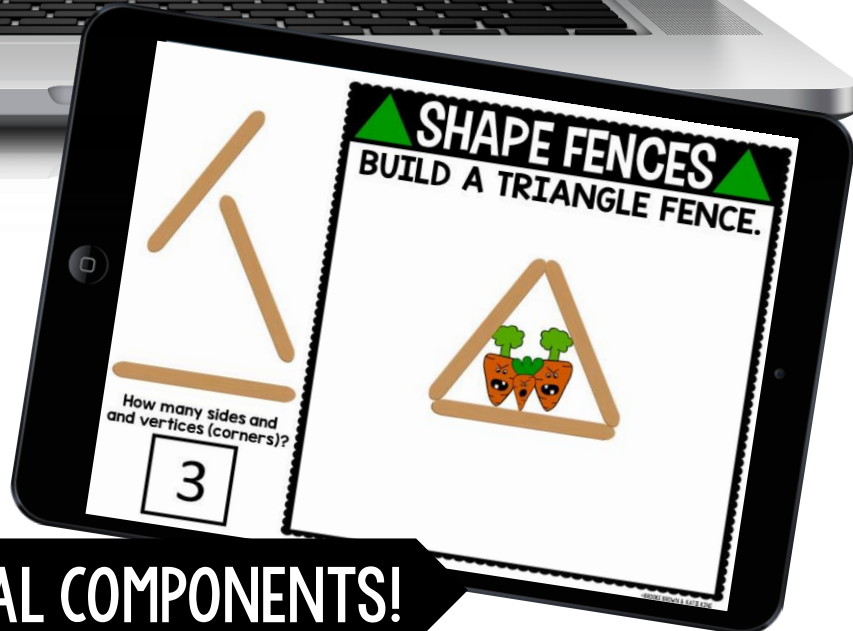
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CREEPY CARROTS

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**GOOGLE SLIDES
& SEESAW
FORMATS**



NOW INCLUDES DIGITAL COMPONENTS!

WORDS TO KNOW

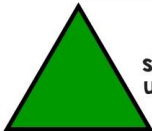
Click and drag the words to match their definitions.

POLYGON

QUADRILATERAL

VERTEX

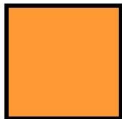
ENCLOSE



a flat, two-dimensional shape that is made up of straight lines and is closed



a polygon with four sides



a corner where two sides of a shape meet



to surround or close off on all sides

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CLICK & SHARE
WITH STUDENTS
IN GOOGLE
SLIDES

INTERACTIVE VIDEOS AND TEMPLATES

CLICK & ASSIGN
ACTIVITIES
IN SEESAW

Activity Library

Community My Library

storybook STEM

Creepy Carrots

Creepy Carrots

Students will edit this template

SHAPE F 1/11

Brooke Brown

Assign...

Student Instructions

CREEPY CARROTS K-1st (STEM CHALLENGE)

JASPER RABBIT NEEDS TO KEEP THE CREEPY CARROTS FROM ESCAPING!
CAN YOU BUILD VIRTUAL SHAPE FENCES TO COMPLETELY SURROUND THE CREEPY CARROTS?

Tap [Add response](#)

Follow the instructions on each slide:

- LET'S EXPLORE POLYGONS!: Tap the links to visit websites and videos about polygons.
- WORDS TO KNOW!: Tap and drag vocabulary words to match the definitions.
- Tap and drag the popsicle sticks to build different polygon fences.
- Type the number of sides and vertices for each shape fence in the box.

Tap

DIGITAL STEM

SHAPE FENCES
BUILD A TRIANGLE FENCE.



SHAPE FENCES
BUILD A PENTAGON FENCE.



SHAPE FENCES
BUILD A SQUARE FENCE.



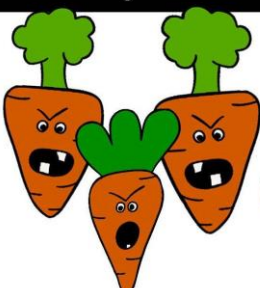
SHAPE FENCES
BUILD A RECTANGLE FENCE.



How many sides and vertices (corners)?

storybook **STEM**

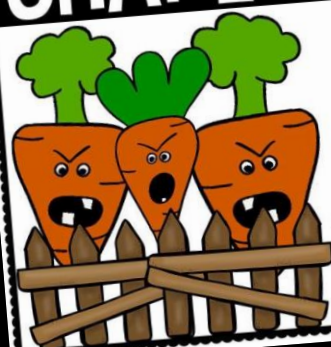
CREEPY CARROTS



SHAPE FENCES





Jasper Rabbit needs to keep the Creepy Carrots from escaping!

Can you build virtual shape fences to completely surround the Creepy Carrots?



WORDS TO KNOW Click and drag the words to match their definitions.

VERTEX **QUADRILATERAL** **POLYGON** **ENCLOSE**


	a flat, two-dimensional shape that is made up of straight lines and is closed		a polygon with four sides
	a corner where two sides of a shape meet		to surround or close off on all sides

How many sides and vertices?


BUILD A HEXAGON FENCE.




SHAPE FENCES
BUILD A RHOMBUS FENCE.




How many sides and vertices (corners)?



SHAPE FENCES
BUILD A TRAPEZOID FENCE.




How many sides and vertices (corners)?



LET'S EXPLORE POLYGONS

Numberock **STOP POLYGONS SONG**

Name the Shape Game



DIGITAL ELA



VOCABULARY

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

<p>imagination</p> <p>creative thinking</p>		<p>approach</p> <p>to get closer to</p>	
--	--	--	--

Create your own Plot

ERS	
M	
ST	

TEACHER TALK!

Look at the poster. Let me give you an example.

What is your perspective about school?

What is the grown-up in your home's perspective about school?



Perspective



PERSPECTIVE— how characters view the events of the story. Someone's experiences, culture, physical traits, and personal experiences shape how they see the world.



The ending of the book is where the **problem** is usually solved. Sometimes there is a **surprise** surrounding the problem/solution. This can be referred to as a **plot twist!**

What ended up happening at the end of the book?

