

PRINTABLE



DIGITAL

ARTISTIC ARCHITECTURE

Can you use turn rectangles into different shapes and designs?

Use index cards to create a model of a building, landmark, or other structure.

YOU MAY USE:

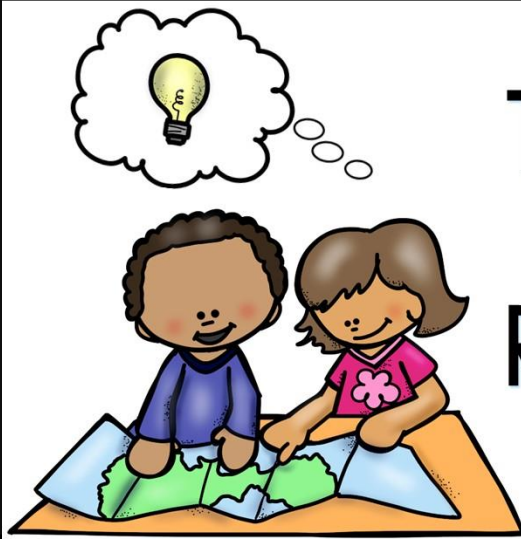
- index cards
- tape
- scissors



CREATED BY
BROOKE BROWN
& KATIE KING

storybook
STEM
THE WORLD IS
NOT A RECTANGLE

storybook STEM



THE WORLD
IS NOT A
RECTANGLE

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GOOGLE SLIDES
& SEESAW
FORMATS

WORDS TO KNOW

ARCHITECT

FUNCTION

BLEUPRINT

STRUCTURE

Click and drag the words to match their definitions.



a person who designs buildings and often supervises their construction



a design plan or other technical drawing



what something is used for



a building or other object constructed of several parts

INCLUDES DIGITAL COMPONENTS!

storybook STEM



CLICK & SHARE
WITH STUDENTS
IN GOOGLE
SLIDES

INTERACTIVE VIDEOS AND TEMPLATES

CLICK & ASSIGN
ACTIVITIES
IN SEESAW

Activity Library

Community My Library

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THE WORLD IS NOT A RECTANGLE

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Brooke Brown

Assign...

Student Instructions

THE WORLD IS A RECTANGLE (STEM CHALLENGE)

CAN YOU TURN RECTANGLES INTO DIFFERENT DESIGNS AND SHAPES? USE INDEX CARDS TO CREATE A MODEL OF A BUILDING, LANDMARK, OR OTHER STRUCTURE.

YOU MAY USE:

- index cards
- scissors
- tape

Tap [Add response](#)

Follow the instructions on each slide:

[EXPLORE ARCHITECTURE](#): Tap the links to visit website and videos about architecture.

T Type your ideas in the boxes.

WORDS TO KNOW: Tap and drag vocabulary words to match the definitions.

Use shapes and drawing tools to draw a blueprint of your structure.

T Type in the boxes to describe your structure.

Insert a picture of your structure.

Students will edit this template

ARTISTO ARCH 1/6

YOU MAY USE

DIGITAL STEM

WORDS TO KNOW

Click and drag the words to match their definitions.

ARCHITECT

FUNCTION

BLUEPRINT

STRUCTURE



a person who designs buildings and often supervises their construction



a design plan or other technical drawing

ARTISTIC ARCHITECTURE



Add a picture of your finished structure.

Name of My Structure

Purpose of My Structure

Shapes and Solids in My Structure

ARTISTIC ARCHITECTURE

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- scissors

EXPLORE ARCHITECTURE



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THE WORLD IS NOT A RECTANGLE



MAKE A PLAN



ARTISTIC ARCHITECTURE

WHAT DO ARCHITECTS DO? TYPES OF ARCHITECTURE

FAMOUS LANDMARKS

TYPES OF SHAPES AND SOLIDS

DIGITAL ELA

ZAHA HADID'S CREATIONS Electronic Menu

Signature Towers
Cardiff Bay Opera House
Bee-ah Headquarters
Guangzhou Opera House
Al Wakra Stadium
Galaxy Soho
Sheikh Zayed Bridge
Messner Mountain Museum
Bergisel Ski Jump
Sleek Rith Institute

TOPIC

Just a few words that describe what the book is about.

MAIN IDEA

What is the point made about the book?

Key details support the main idea.

Read the article below and then fill out the table.

THE MARSH

A marsh is a wetland that you find at the edge of ponds, rivers, and other bodies of water. They can have fresh or salt water. They are very similar to swamps except they have lots of low plants and bushes as opposed to trees. Marshes are important because they support many small animals and plant life.

In saltwater marshes you will find crabs, oysters, shrimp, and many types of fish. These areas are great for mother animals to lay eggs or have babies because the soil is so rich, and the grassy areas act as protection.

Caribou are a common plant you will find in freshwater marshes. Moose, opossums, and beavers use marshes as a feeding ground. Marshes are a critical part of keeping plant and animal life thriving in our world.

TOPIC	
MAIN IDEA	
KEY DETAIL	
KEY DETAIL	
KEY DETAIL	

The World is Not a Rectangle

Discuss the topic, main idea, and three key details from the book.

TOPIC

MAIN IDEA

KEY DETAIL

WATCH AND LEARN

Navigating Websites

ancient



belonging to the very distant past

graduate



to complete a degree

committee



cradles



VOCABULARY

Match the vocabulary word to the correct picture. Use each picture only once.



TEACHER TALK!

Look at the digital anchor chart for Electronic Menu. Websites are set up differently than a book but have some of the same elements. Like an electronic menu can be used the same way as a Table of Contents.

Electronic Menu

ZAHA HADID'S CREATIONS
Electronic Menu
Signature Towers
Cardiff Bay Opera House
Bee-ah Headquarters
Guangzhou Opera House
Al Wakra Stadium
Galaxy Soho
Sheikh Zayed Bridge
Messner Mountain Museum
Bergisel Ski Jump
Sleek Rith Institute

Digital Menus have **clickable links** that take you to another location online. In this example, you would click on the name of one of Zaha Hadid's designs to see photographs and learn about the buildings.

Main Idea







What is the point being made about Zaha Hadid's life? How do you know?

THINK IT OVER:



PRINTABLE STEM CHALLENGE

ARTISTIC ARCHITECTURE


<h3>ARCHITECT</h3>  <p>a person who designs buildings and often supervises their construction</p>	<h3>BLUEPRINT</h3>  <p>a design plan or other technical drawing</p>
<h3>FUNCTION</h3> <p>what something is used for</p> 	<h3>STRUCTURE</h3> <p>a building or other object constructed of several parts</p> 

ARTISTIC ARCHITECTURE

The World is Not a Rectangle

NAME: _____


MY BLUEPRINT

	Name of My Structure
	Purpose of My Structure
	Shapes and Solids in My Structure
	What makes your structure special?

ARTISTIC ARCHITECTURE

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YOU MAY USE:

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STEM CHALLENGE: ARTISTIC ARCHITECTURE

NGSS Standard Alignment: K-2-ETS1-1. Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool. K-2-ETS1-2. Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem. 3-5-ETS1-1. Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost. 2-PS1-3. Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled.

ARTISTIC ARCHITECTURE

The World is Not a Rectangle

Possible Product











will use index cards and tape to construct a model that may be inspired by one of Zaha Hadid's landmarks or structures, or may design their own.

will use index cards and tape to construct a model that may be inspired by one of Zaha Hadid's landmarks or structures, or may design their own.

will use index cards and tape to construct a model that may be inspired by one of Zaha Hadid's landmarks or structures, or may design their own.

LET'S EXPLORE ARCHITECTURE

<h3>ZAHA HADID</h3>  	<h3>ZAHA HADID'S DESIGNS</h3>  
<h3>ARCHITECTURE</h3>  	<h3>FAMOUS LANDMARKS</h3>  

ARTISTIC ARCHITECTURE

The World is Not a Rectangle

MY BLUEPRINT

<h3>FAMOUS LANDMARKS</h3>	<h3>TYPES OF SHAPES AND SOLIDS</h3>
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PRINTABLE ELA

ancient
belonging to the very distant past

graduate
to complete a degree

committee
a group of people in charge

cradles
hold gently

Names: **Andy**
Vocabulary in Action!
Directions: Fill in the blank to complete the phrase in a way that makes sense.

The little girl **cradles** the baby kitten.

The Sunshine **committee** is in charge of making people smile.

The **ancient** Greek culture is known for chariots.

Shelly can't wait to **graduate** from Nursing School.

Dig deeper
Teacher Questions for THE WORLD IS A RECTANGLE

back?

Why did you think the author said it is a "portrait of Zaha Hadid" instead of a biography?

Where does Zaha draw her inspiration from? If you were an architect, what would you use as inspiration?

How do we know that Zaha was creative as a child?

Because Zaha's education?

What are some obstacles that Zaha ran into in the design process?

What does "Zaha" mean in Arabic? How does this mean in Arabic as a person?

How do you know that Zaha values creative expression when she is an adult?

How did Zaha's company grow? How is her company still alive?

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In saltwater marshes you will find crabs, oysters, shrimp, and many types of fish. These areas are great for mother animals to lay eggs or have babies because the soil is so rich, and the grassy areas act as protection.

Cattails are a common plant you will find in freshwater marshes. Raccoons, opossums, and beavers use marshes as a feeding ground. Marshes are a critical part of keeping plant and animal life thriving in our world.

Electronic Menu

ZAHA HADID'S CREATIONS
Electronic Menu

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Moscow Mountain Museum

Bergisel Ski Jump

Sheik Rith Institute

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TOPIC
Main Idea

She designed the Signature Towers to look like grass dancing in the wind.

Key Detail
KEY DETAIL

TOPIC
Just a few words that describe what the book is about.

MAIN IDEA
What is the point being made about the topic?

KEY DETAIL
KEY DETAIL

Key details support the main idea.

Main Idea

What is the **point** being made about Zaha Hadid's life? How do you know?

Names: **Samson**
ZAHA HADID'S CREATIONS
Describe three artworks about one of Zaha Hadid's creations.

The Signature Towers are in Dubai. They were built in 2006. They are office buildings and people's homes too. The buildings are 75 stories high. They remind me of grasses.

committee
a group of people in charge

cradles
hold gently

graduate
to complete a degree

ancient
belonging to the very distant past

committee
a group of people in charge

cradles
hold gently

Navigating Websites

FOOD & BEVERAGE EDITION

Starbucks

Cookie Bouquet

Pizza Hut

Local Sushi