

MONUMENTAL IDEAS

Exploring the Martin Luther King, Jr. Memorial and Lincoln Memorial



» Introduction

» Kinder-2nd

» 3rd-5th

» 6th-8th

» 9th-12th

» Resources



INTRODUCTION

Produced by CyArk in partnership with the National Park Service, the digital experience allows students to virtually visit monuments on the National Mall and utilizing tools in the virtual environment, engage in STEAM based exploration of the sites. Accompanying lesson plans provide guidance on utilizing 'America's Front Yard' as a launching point for STEAM education in the classroom.

These lesson ideas are meant to ignite a spark in educators and students. Use these starters as a launchpad to learn more about the National Mall and other outdoor spaces within the National Parks. Share your work on Social Media #MonumentalIdeas

www.expeditionsineducation.org

[Links to Concept Maps for Content and Grade Levels!](#)

Dive into the immersion: <https://cyark.org/monumentalIdeas/game>



Camera



Mini Model



Coordinate
Grid



Magnifying
Glass



Measuring
Tape

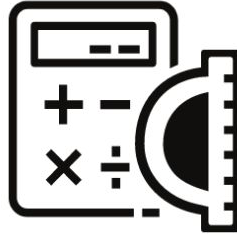


Reference



Monumental Ideas for Kinder-2nd

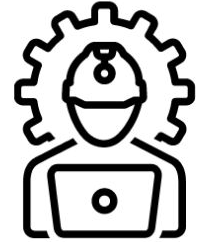
MATH



SCIENCE



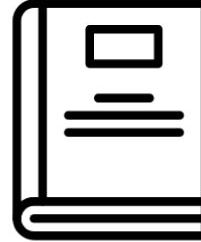
ENGINEERING



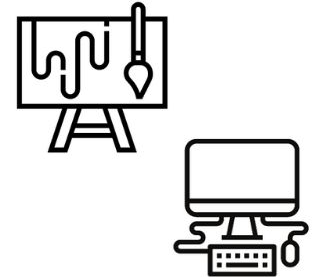
HISTORY



LITERACY



ART & TECHNOLOGY





MATH



Number Lines, Measurement, and Operations

CyArk Measuring Tape: Students and teachers will be able to use the measuring tape to measure certain areas of the monuments.

CyArk Reference Tool: Students can gain a sense of perspective of just how tall these monuments are.

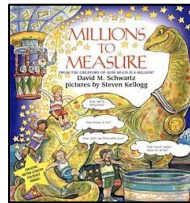
Vocabulary:

centimeter
feet
inches
measuring tape
meter
meter stick
millimeters
yard stick

Resources:

[MLK Memorial](#)
[Lincoln Memorial](#)

Read:



Author: David Schwartz
Illustrator: Steven Kellogg

Use:

[Measuring Chart](#)
[Graphics](#)

Notes: Depending on the grade level, teachers can direct the measurements or allow students to measure for themselves.

Teacher Talk: Talk about what types of measurement tools are used for building. Show actual tools or [graphics](#).

Questions: What measurements did architects, geographers, and others use to construct the Lincoln and MLK memorials? What were the original measurements for the memorials?

Task: As the class enters the platform, use the measuring tape to measure designated parts of the monument. Collect the measurements via Padlet or [Chart](#).

Assessment: Converse on why measurements are the same or different. Have students remeasure in cases of large discrepancies. Why is measurement important? How far off is too much?





Earth Science: Rocks and Minerals

CyArk Magnifying Glass: The magnifying glass tool will allow students to look closely at the rocks used to create the monument.

Camera: The camera tool will allow students to take photos to use for their poster or digital slide.

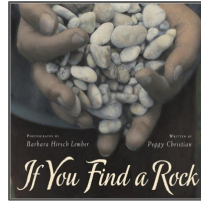
Vocabulary:

classify
granite
igneous rock
marble
metamorphic
rock
organic
process
sedimentary rock

Resources:

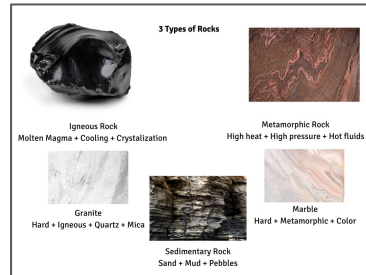
[If Rocks Could Talk](#)
[Geology](#)

Read:



Author: Peggy Christian
Photographer: Barbara Lember

Observe:



Teacher Talk: Granite is used because it resists weathering and abrasion. Marble is used because it is a low-cost material that is found in abundance. (Provide samples of rocks or photos for students to touch and observe)

Questions: What is the difference between marble and granite? What types of rocks are these? Why were they chosen for these monuments? Where did the rocks come from? Can you identify three types of rocks by look and touch?

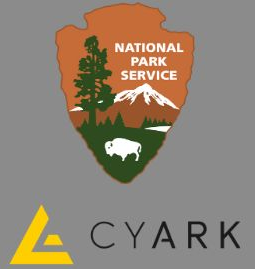
Task: Students will collect rocks and create a poster or digital slide of the properties of each rock. They will also include the types of rocks used in each monument.

Assessment: Given various samples of rocks or photos of rocks, students can identify them by telling how they were formed.





National Parks and CyArk Engineering Challenge



The Dr. Martin Luther King, Jr. Memorial is built out of 159 blocks of granite. The Stone of Hope surges forward as the focal point for the memorial and is coming out of the Mountain of Despair. This references a line in King's speech, "With this faith, we will be able to hew out of the mountain of despair a stone of hope."

Your Engineering Challenge is to create a sculpture to honor a person in your town or community that deserves recognition. In the spirit of MLK, create your sculpture out of clay and include a quote or statement about this person that you can engrave into the clay. You can make your own clay or playdough or use purchased materials. Just as MLK was honored by this memorial, you will honor your choice with your sculpture.



Social Studies/Communities

CyArk Camera: The camera tool allows students to take photographs throughout the site. While inside the immersive experience, take photos of statues, quotes, columns, and sculptures. Teachers and students can use these for further discussions.

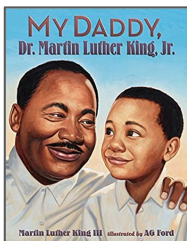
Vocabulary:

dream
inauguration
justice
leadership
nation
memorial
peace
President
Washington, DC
White House

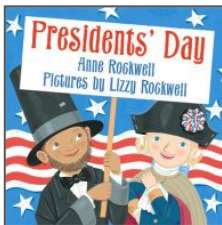
Resources:

[Celebrating MLK Day](#)
[Celebrating Presidents' Day](#)
[Take a Virtual Trip to Memphis](#)

Read:



Author: Martin Luther King III
Illustrator: AG Ford



Author: Anne Rockwell
Illustrator: Lizzy Rockwell

Teacher Talk: Let's talk about the holidays, MLK Day and President's Day. These days are holidays because we are celebrating the accomplishments of those honored.

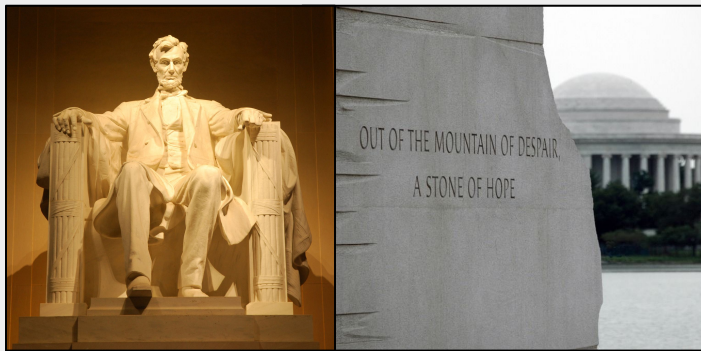
Questions: Who was Dr. Martin Luther King, Jr (MLK)? Who is included in Presidents' Day? How should we honor them? What other holidays do we celebrate? Do any other holidays honor people?

Task: Students will incorporate service-learning activities into their day by choosing to "DO GOOD" for someone else. They will choose an activity that will benefit others, draw and write about what this activity will look like, and follow through with this activity.

Assessment: Ask students why they chose this activity. Encourage them to continue doing good to carry on the legacies of those we celebrate.



Visual Literacy with the SEE-THINK-WONDER Analysis Protocol



Help students to practice critical thinking skills by observing and analyzing photos and primary source documents. Ask students to provide evidence to support their thinking.

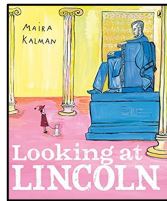
1. Use the CyArk magnifying glass to zoom in on the quotes engraved above Lincoln and on the side of the MLK Memorials, or locate images with detail worth analyzing in the National Park Service [Lincoln Memorial](#) and [MLK Memorial](#) photo collections.
2. Prompt students to observe the image and to consider these questions:
 - a. What do you **see** in this picture?
 - b. What do you **think** about it?
 - c. What does it make you **wonder**?

Abraham Lincoln was the 16th President of the United States. He is known for his work to end slavery.

1. Read about Lincoln and what he believed.
2. Use a [Venn Diagram](#) to compare what you learn about each one.



Author: Doreen Rappaport
Illustrator: Kadir Nelson



Author/Illustrator:
Maira Kalman

Vocabulary:

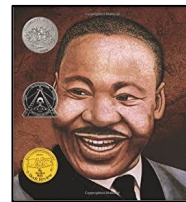
amendment
Bill of Rights
Congress
Constitution
democracy
Emancipation
freedom
Civil Rights
equality
demonstrate

Extend and Connect:

How were President Lincoln and Dr. King alike?

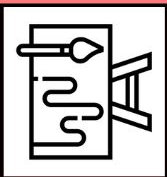
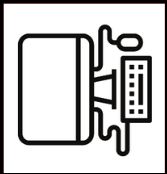
Help students explore who Dr. Martin Luther King, Jr. was.

1. Read Martin's Big Words by Doreen Rappaport.
2. Have students identify some of his big words in the text of the book.
3. Have students help create an illustrated dictionary of these big words.
4. Ask students to choose their own big words and write about them.



Author: Doreen Rappaport
Illustrator: Bryan Collier





Drawing and Google Draw

ART

Drawing:

Students will complete a drawing of each monument as they see it. They will use pencil, crayons, chalk, and markers for their design. They may add any details to the monument that they feel will enhance the look.

Resources:

[Introduction to Chalk and Pastels](#)

[How to Draw](#)

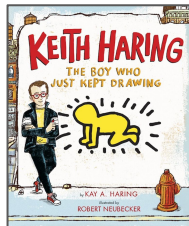
[MLK Artist](#)

[Lincoln Artist](#)

Read:



Author: Joanne Liu



Author: Kay A. Haring
Illustrator: Robert Neubecker

TECHNOLOGY

CyArk Camera: The camera tool will allow students to take photographs throughout the site and use them in their Google Draw Presentation.

Google Draw:

Students will explore Google Draw and Architecture.

<https://artsandculture.google.com/entity/drawing/m02csf>

Using the program, create a drawing in Google Draw that depicts an integration of the two monuments. (MLK and Lincoln)

Resources:

[How to Draw Lincoln](#)

[How to Draw MLK](#)

[MLK and Lincoln's Inspiring Words](#)

