

Teacher's Guide to CALLIOPE: *Ingenuity Along the Indus: Birth of a Civilization*

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Getting started

- display a world map
- discuss B.C. dates
- locate the Indus region
- discuss introductory page "Then and Now"

1. What is It?, pages 2-4

Comprehension

Archeologist Alexander Cunningham discovered a seal from Harappa, India in the 1800s.

1. Describe the seal.
2. How did the seal relate to buying and selling goods?

In the 1920s, archeologists learned more about Harappa.

1. Describe the land where Harappa was built.
2. What was available to eat?
3. Explain the use of the city walls.
4. Were the citizens peaceful or were they warriors? How do you know?

2. Reading the Clues, pages 5-7

Defining

Create a dictionary with words and / or pictures. Define each word below.

- pottery shard
- tablets
- graffiti
- steatite
- Canaanites
- faience
- dewlap
- decipher
- boustrophedon
- pipal

3. Booming Metropolises, pages 8-12 **Sorting / Comparing Information**

Work in groups of 3 or 4. Make the chart below. Use the article and map to fill in the blanks.

Indus	location	water system	city walls	population (if given)
Harappa				
Mohenjo-daro				
Dholavira				

City standards:

1. What features were the same in all Indus houses?
2. What standard size was used to make Indus bricks?
3. What was true about main streets in Indus cities?

4. At Home by the Indus, pages 13-16

Creative Writing

Imagine you were an Indus Valley child long ago. Read the article and create a diary entry for one day. Describe what you see, hear, taste, touch, and smell. Think about eating, playing, and going somewhere.

example:

8:00 a.m. Woke up. Dressed. Smelled breakfast cooking. Ate steamy gruel, flat bread and sweet dates.

Follow this format:

8:00 a.m. _____

9:00 a.m. _____

11:00 a.m. _____

12:00 noon _____

and on until 9:00 p.m. bedtime

5. Other Indus Cities, p. 17

Map Work and Comprehension

1. When did people begin to build cities? How large did the Indus civilization become?
2. Where were Rakhigarhi and Ganweriwala located? What were citadels used for?
3. Where was Lothal located? Describe it.
4. What did Kalibangan have in common with Lothal?
5. Name some small northern settlements. What was produced in these places?
6. Where was Balakot? Why was it important?
7. Where was Shortughai? What mines were nearby?

6. Body Decorations, pages 18-19

Vocabulary

Read the article. Write one sentence using each word:

mendhi adorn symbol signifies ancient prosperity designs

Match these words and symbols. Put the matching number on the line.

- | | |
|--------------------|-----------------------|
| 1. flower | _____ honesty |
| 2. square | _____ love and riches |
| 3. triangle | _____ happiness |
| 4. fan | _____ creativity |
| 5. peacock or swan | _____ peace |

7. Making Water Work, pages 20-21 Drawing Conclusions

Divide into three groups. Search for answers. Share findings.

Group 1—Contact city hall for information about the city water system.

1. How is water supplied to city residents?
2. Could your class see a map of the water system?
3. What is the process for city sewage disposal?

Group 2—Contact farmers near your city.

1. What water source is used for irrigating?
2. How are fields irrigated?
2. Does irrigation increase crop production?

Group 3—Use maps and the internet.

1. What waterways nearest you are used to haul and receive goods?
2. What goods are transported?
3. Where are the goods taken? Where do goods come from?

8. Creativity at Work, pages 24-26 Creative Art

Get creative. Draw and color a picture of Indus art. Choose one:

1. A copper necklace with two pendants, shells, stones and colored beads.

