



**A Howard B. Owens Science Center
Planetarium Program
for Kindergarten**

Post-Visit Materials

Activity 1: Patterns in the Sky

Free Printables from <https://www.themomentsathome.com/wp-content/uploads/2018/06/Copy-of-UpdatedConstellationPack.pdf>

Constellation outlines from Wikimedia Commons

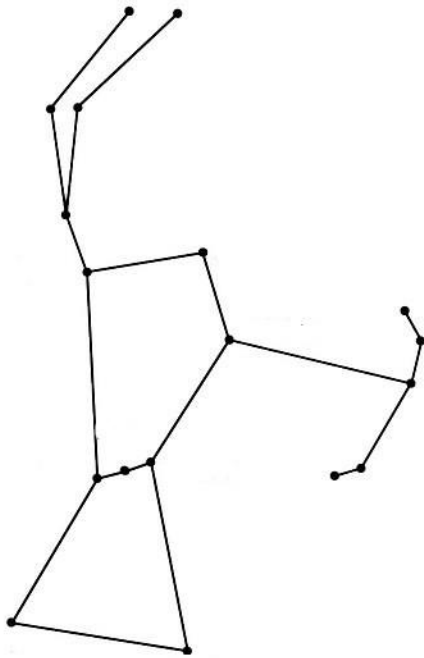
Teacher's Notes

Review with your students the constellations seen in the planetarium. Then have them complete the dot-to-dot puzzles and match them to the correct constellation.

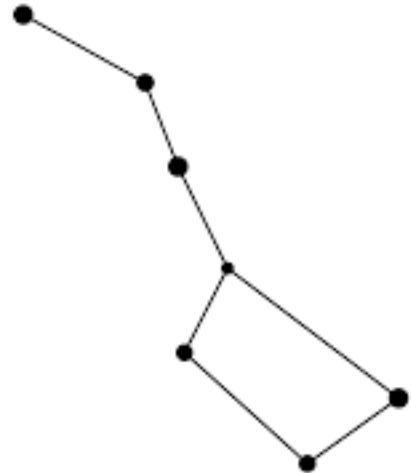
Answers: Big Dipper, Orion, Cassiopeia

Activity 1: Patterns in the Sky

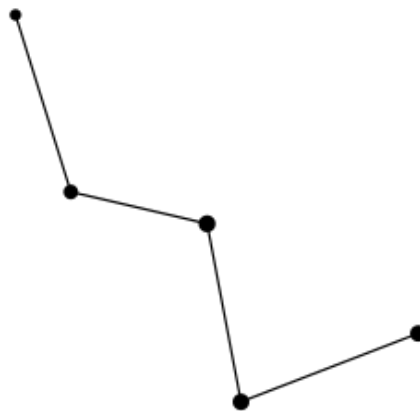
Here are some of the constellations/star patterns we saw in the planetarium:



Orion



Big Dipper

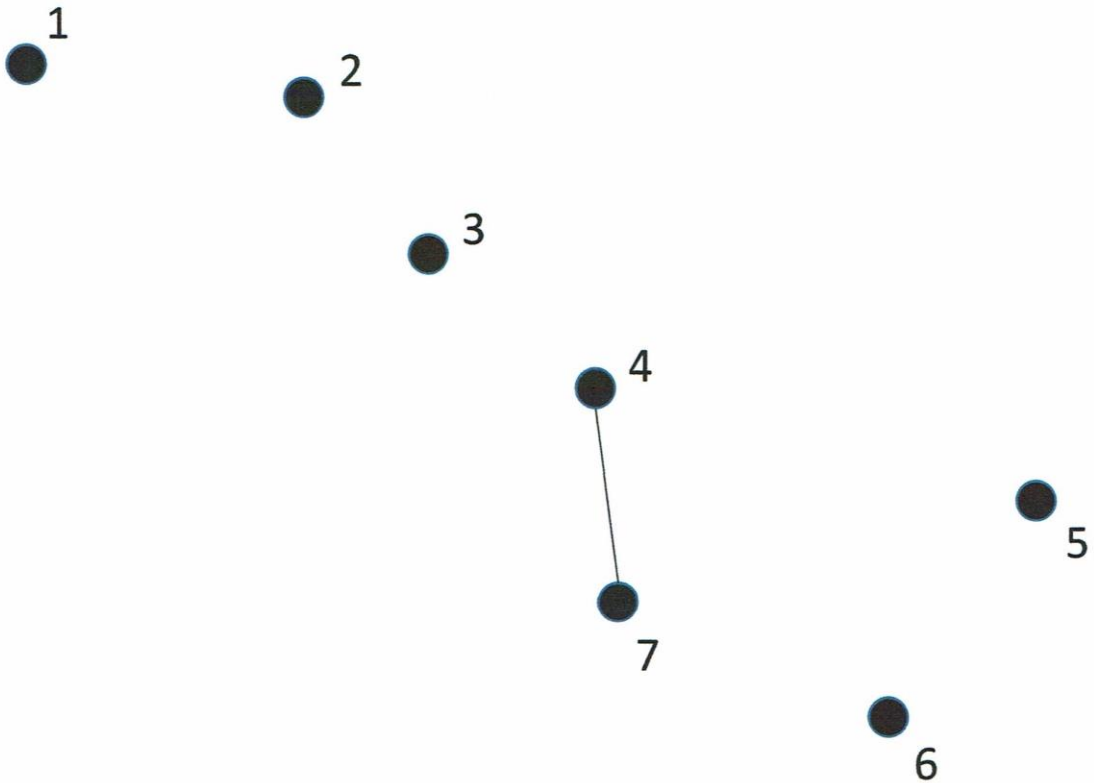


Cassiopeia

Name _____

Patterns in the Sky

Complete the dot-to-dot picture and match it to the correct constellation.



Orion

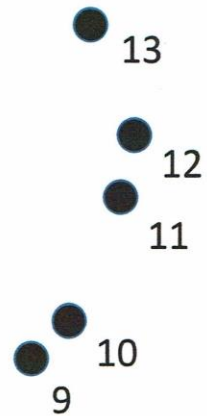
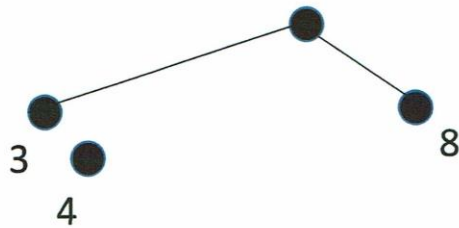
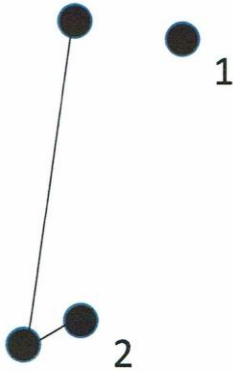
Big Dipper

Cassiopeia

Name _____

Patterns in the Sky

Complete the dot-to-dot picture and match it to the correct constellation.



Orion

Big Dipper

Cassiopeia

Name _____

Patterns in the Sky

Complete the dot-to-dot picture and match it to the correct constellation.



1



2



3



5



4

Orion

Big Dipper

Cassiopeia

Activity 2: I Know the Moon (Part 2)

Teacher's Notes

Students will be asked to recall what the shape of the moon was that Lady Elaine was trying to capture in the planetarium show. It was a full moon.

Ask students to think about/recall whether or not Lady Elaine could really capture the moon. Read each possible response with them and have them choose the answer they think is the best. There are actually two acceptable answers:

No, because the moon is too far away.

and

No, because the moon is too big.

Activity 2: I Know the Moon (Part 2)

Name _____

Circle the moon that matches the shape of the moon that Lady Elaine tried to capture in the planetarium show.



crescent moon



quarter moon



full moon

Could Lady Elaine really capture the moon? Circle the best reason below:

Yes, because the moon is made out of paper.

No, because the moon is too far away.

No, because the moon is too big.

Yes, because then she can share it in her museum.

No, because the moon is too slippery.

Yes, because she has magic.

Activity 3: Through the Telescope

Telescope coloring image: <https://malvorlagen-seite.de/en/malvorlage-teleskop-weltraum/>

Hubble Space Telescope coloring page: <https://www.pinterest.com/pin/499266308679269448/>

Hubble Image: composite of infrared and visible light, courtesy of NASA

Small telescope image courtesy of Bill McClain

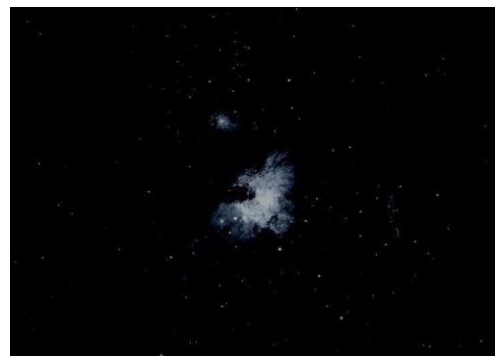
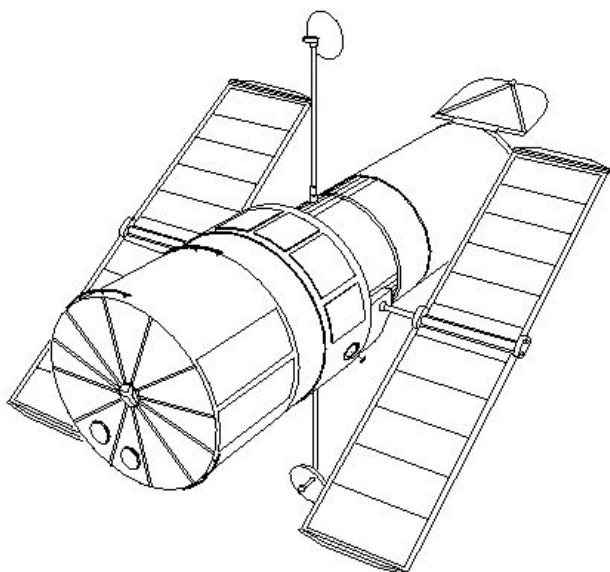
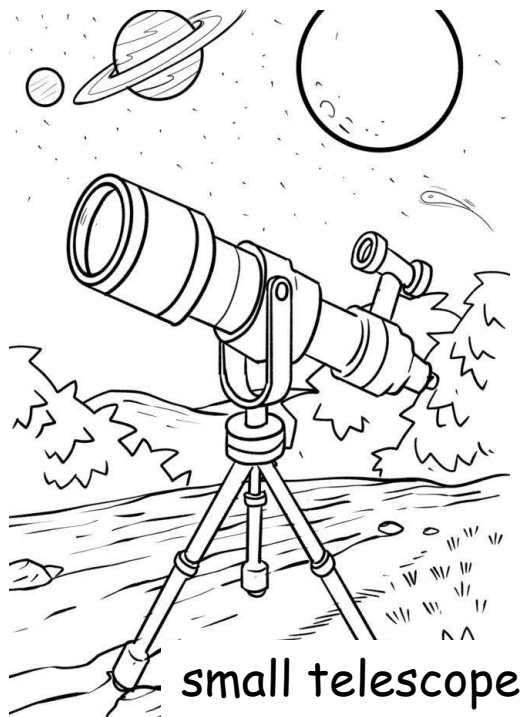
Teacher's Notes

Have students look at the two images of the Orion Nebula that were reviewed in the planetarium program. Have them decide which image was taken from a small telescope and which one was taken by the Hubble Space Telescope. Have them draw a line from the picture of the telescope to the correct label. Then they can color the telescopes! 😊

Activity 3: Through the Telescope

Name _____

When Prince Tuesday looked through his small telescope towards Orion, he probably saw the Orion Nebula. Which image would be one that he saw? Draw a line from the small telescope to the image he would have seen. Which image would be taken from the large telescope in space, the Hubble Space Telescope? Draw a line from that telescope to the image it would have produced. Then color the telescopes!



Hubble Space Telescope