**Physics Lesson: *Witness Walls* Intro Activity-** Spoons and Images

Using a shiny spoon, answer the following questions.

1. Look at your image on the curved inside of the spoon. This is like a concave mirror.

Hold the spoon about arm’s length away and slowly move it in towards your face.

What do you notice about your image? Does the image change? Is your reflection upside down or right side-up? Is it smaller or larger than your face? Explain.

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2. Now look at your image on the curved outside of the spoon. This is like a convex mirror. Hold the spoon about arm’s length away and slowly move it in towards your face. What do you notice about your image? Does the image change? Is your reflection upside down or right side-up? Is it smaller or larger than your face? Explain.

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3. Using one of the pictures of the Civil Rights Movement, look at the picture from the curved side of the spoon and the curved outside of the spoon. What do you notice about the image (explain from the curved side of the spoon and the curved outside of the spoon)? What type of mirror best depicts the image? Explain.

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4. Using another one of the pictures of the Civil Rights Movement, look at the picture from the curved side of the spoon and the curved outside of the spoon. What do you notice about the image (explain from the curved side of the spoon and the curved outside of the spoon)? What type of mirror best depicts the image? Explain.

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5. Give an example of when one may need to use a concave mirror.

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6. Give an example of when one may need to use a convex mirror.

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7. Using the pictures and background knowledge of the Nashville Civil Rights Movement, why is it important to look at images from different angles?

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8. What stood out to you from the Nashville Civil Rights pictures? Explain?

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9. Compare and Contrast the Nashville Civil Rights Movement with things currently going on in Nashville?

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10. What questions do you still have about concave and convex mirrors? What do you still have about the Nashville Civil Rights Movement?

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**Images for Intro Activity**





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