

SP713 Jan. 11 Activities

Visit to MIT Glass-blowing lab.

Put yourself in the role of learning about the hot glass' properties by closely following how the glassblowers work with it. Watch for their actions and the responding changes in the glass. Consider the shapes taken up by the glass. What can you infer from seeing how the glass is worked at different parts of the process and different temperatures? What knowledge do you see the glassblower using and gaining? What questions do you have for the glassworker?

Diagrams

Activity with lenses, eyeglasses, mirrors

Explore with lenses singly and in combination.

What amplifies, reduces, complicates?

Notice ways that what you find out about the behavior of one lens relates to that of others of similar or differing shape.

Consider what you observe with lenses and mirrors in relation to what you were finding out with the frame about relations and sizes of things.

Widen the means and range of what you try.

Starry Messenger

***Ring of Truth*, excerpts relating to Galileo**

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EC.050 Recreate Experiments from History: Inform the Future from the Past: Galileo
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