



TOOLKIT: ZOOM IN + ZOOM OUT

THEME: PERSPECTIVE
SUBJECT: EARLY CHILDHOOD
ARTIST: BILL SMITH
GRADE: recommended PreK-3rd grade

OBJECTIVES

Students will learn about perspective – zoom in versus zoom out.
Students will observe and discuss macro and micro elements in art.
Students will apply the idea of macro to micro, zoom in and zoom out, to their everyday world.

KEY QUESTIONS

1. What do you see when you zoom out? Name the objects. Do these objects work together?
2. What do you see when you zoom in? Name the object(s). Describe. Does this look different or the same from zooming out?

BOOK REFERENCES

1. *Zoom* by Istvan Banyai
2. *What am I? Where am I?* by Ted Lewin

VISUAL REFERENCES

1. *spherodendron* (2015), Bill Smith
2. *Garden Installation* (1993), Winifred Lutz
3. *610-3356* (2008), Sarah Oppenheimer

ACTIVITY

Zoomy! Collect some interesting objects in a basket such as seashells, feathers, bark or twigs, moss or sand. Have each student choose one object. Using a zoomy (a digital microscope with a USB port) and your computer, zoom in close to these objects. Do you see patterns, colors or texture? Describe what you see. Now, draw with crayon or colored pencil on a piece of paper what you see on the screen. After you have completed your drawing, look through a magazine to find a picture of the place or environment where your object comes from (i.e. a seashell comes from the ocean, bark comes from a tree or forest.). Glue this picture next to or on the opposite side of the paper where you have drawn the detail of your object. You have zoomed in and zoomed out! If you do not have a zoomy, you can complete this project with a magnifying glass or just by looking at something very closely.





PENNSYLVANIA CORE STANDARDS

VISUAL ARTS

(9.1.3.A)

-know and use the elements and principles of each art form to create works in the arts and humanities

(9.1.3.B)

-recognize, know, use and demonstrate a variety of appropriate arts elements and principles to produce, review and revise original works in the arts

(9.1.3.D)

-use knowledge of varied styles within each art form through a performance or exhibition of unique work

(9.1.3.E)

-demonstrate the ability to define objects, express emotions, illustrate an action or relate an experience through creation of works in the arts

