



LEARNER GUIDE TO

CHIHULY

IN THE GARDEN 2023

GRADES 6–8

Sketch your own glass artwork piece.

Poetry

Create a poem where you take on the persona of the artist's representation in the glass artwork. Reflect on the piece's relationships and location and use good descriptive words, similes and metaphors to help create a vivid picture of the piece in the reader's mind.

Abstract Art

Abstract art uses visual language of shape, form, color and line to create a composition which may exist with a degree of independence from visual references in the world. Many of the glass pieces seen today are colorful and sculptural forms that represent the natural environment.

*How is the artist
depicting movement?*

*What is the natural form
of movement?*

| Title of Piece | Natural Connection |
|----------------|--------------------|
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Transparent, Translucent, Opaque

Locate examples of transparent (see-through), translucent (limited light passes though) and opaque (no light passes though) glass and describe the shape of the glass displaying the different levels of light transmission.

| | |
|--|--|
| <div>Transparent <i>(see-through)</i></div> | <div>Translucent <i>(limited light passes through)</i></div> |
| <div>Opaque <i>(no light passes through)</i></div> | |

Making Inferences

To make colored glass, a recipe is used by adding metal oxides to the glass. The following oxides produce the following colors:

| | | | |
|-------------------------|------------------|----------------------|-------------------|
| Copper | Blue, Green, Red | Cobalt Oxide | Blue |
| Manganese Dioxide. | Purple | Gold Chloride..... | Ruby Red |
| Chromic Oxide | Emerald Green | Cadmium Sulfide..... | Yellow |
| Selenium Oxide | Reds | Iron Oxide | Greens and Browns |

While looking at a piece of the glass artwork, hypothesis which metal oxides were added to the glass to make its color.

| | |
|--------------------|--------------------|
| Name of piece: | Name of piece: |
| Metal oxides used: | Metal oxides used: |

To create the different tints seen, particular metal oxides had to be used in different amounts.

| | |
|----------------------------|----------------------------|
| Metal oxide used the most: | Metal oxide used the most: |
| Estimated percentage: | Estimated percentage: |
| Metal oxide used the most: | Metal oxide used the most: |
| Estimated percentage: | Estimated percentage: |

Principles of Design

The 12 principles of design describe the ways that artists use the elements of art in a work of art. Look for four of the selected principles in a glass pieces and note any trends observed.

Balance: to have balance, the elements need to be in scale

Emphasis: strategy to get the viewer’s attention to a design element

Movement: path the viewer’s eye takes through a composition

Pattern: repetition more than one design element

Repetition: using repeated elements

Proportion: sense of unity created when all the elements in a composition relate well

Rhythm: combination of elements when used repeatedly, and

Unity: harmony produced by all the elements in a design piece

Title of piece: _____

| | |
|--|--|
| | |
| | |

4-Step Critical Analysis of Artwork

1. Describe

What do you see?

2. Analyze

How is the work organized?

3. Interpret

What is the artist saying?

4. Judge

Is this a successful piece of art?

Reflections

Chihuly's glass is often designed to look like shapes and structures in nature and are said to be biomorphic. What living things would you like to see displayed in future art works?

Which parts of your visit to *Chihuly in the Garden 2023* did you find most interesting?

What questions would you ask Dale Chihuly about his art if he were to answer them?

Describe something you think could be done with glass?

Is there anything else you would like to learn about glass?
(share with your teacher if you are comfortable sharing)

Find the following pieces.

| Name | Location | Draw an X when found |
|--|-------------------------|----------------------|
| <i>Chromatic Neon</i> | Emerson Conservatory | |
| <i>Vivid Lime Icicle Tower</i> | South Entry Gardens | |
| <i>Ikebana</i> | Climatron | |
| <i>Macchia Forest</i> | Climatron | |
| <i>White Tower</i> | Blanke Boxwood Garden | |
| <i>Float Boat and Fijima Floats</i> | Japanese Garden | |
| <i>Fiddlehead Ferns</i> | English Woodland Garden | |
| <i>Fiori Boat and Fiori di Primavera</i> | Central Axis | |
| <i>Burnished Amber, Citron, Teal Chandeliers</i> | Linnean House | |



MISSOURI BOTANICAL GARDEN

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Art credits, cover: Dale Chihuly, *Burnished Amber, Citron, and Teal Chandeliers* (detail), 2017.
Biltmore, Asheville, North Carolina, installed 2018. © 2023 Chihuly Studio.
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