# Unit 5: Construction

Content Area: **Technology**
Course(s):
Time Period: **September**
Length: **9 weeks**
Status: **Published**

## Enduring Understandings

### Technology

-Safety standards and procedures must be followed to reduce the risk of injury.

-Selecting the proper tool for a job reduces injury.

-Material selection, preparation and assembly effects product durability and quality.

### Art

-An individual´s informed choice and appropriate application of media, techniques and/or processes enhances personal expression and determine the quality of art.

-Artists choose different tools, techniques, and materials to express specific ideas.

## Essential Questions

### Technology

-What is craftsmanship?

-How can we work efficiently without adversely affecting the project's outcome?

### Art

-How can art be put into motion?

-Why is it important to experience different materials?

-What makes an artwork successful or unsuccessful?

## Content

**Goal**

The goal of this unit is for students to utilize the knowledge and planning from the previous units to craft the scenery for the school musical.

**Suggested Activities:**

-Set Construction

-Painting

-Sewing

## Skills

-Students will be able to construct the annual musical set in accordance with the predetermined plans and technical sketches.

-Students will be able to explain the mechanics of any moving portions of the set.

-Students will be able to collaboratively troubleshoot and rectify  any malfunctioning set components.

## Resources

*-Painting for Performance: A Beginners Guide to Great Painted Scenery, Sean O´Skea, 2016*

*-Stock Scenery Construction Handbook, Bill Raoul and Mike Monsos, 2015*

## Assessments

-Rubrics

-Self/Peer Critique

-Teacher Evaluation/ Reflection

-Set Pieces

## Standards

### Technology

8.2.8.C.5 Explain the interdependence of a subsystem that operates as part of a system.

8.2.8.C.6 Collaborate to examine a malfunctioning system and identify the step-by-step process used to troubleshoot, evaluate and test options to repair the product, presenting the better solution.

### Art

1.3.8.D.1 Incorporate various art elements and principles of balance, harmony, unity, emphasis, proportion, and rhythm/movement in the creation of two-and three-dimensional artworks, using a broad array of art media and mediums to enhance the expression of creative ideas.

1.3.8.D.2 Apply various art meda, art mediums, technologies and processes in the creation of allegorical, theme-based two- and three- dimensional works of art, using tools and technologies that are appropriate to the theme and goals.

1.4.8.B.2 Differentiate among basic formal structures and technical proficiency of artists in works of dance, music, theater, and visual art.