Unit 01: Camera- a View Through the Lens

Content Area: **Technology**
Course(s): **Television Production 1**
Time Period: **September**
Length: **10 blocks**
Status: **Published**

Transfer

Students will be able to use the camera in a variety of shooting scenarios.

Enduring Understandings

The viewfinder enables the user to understand how the camera is operating.

A properly calibrated camera ensures a quality picture.

Framing has certain rules, which aid in the shooting and editing process.

White balancing a camera needs to occur because lighting is different in every location

Content

Vocabulary: Iris, F/Stop, White Balance, Viewfinder, Shutter Speed, Gain, Zoom Range/Ratio, ND Filter, Lens, CCD, Locked Off On Sticks, Handheld, Head Room, Lead Room, Nose Room, Rule of Thirds, Pan, Tilt, Dolly, Zoom, Tracking, Truck, Pedestal, Close Up, Extreme Close Up, Medium Close Up, Medium Shot, Long Shot, Establishing Shot, Knee Shot, Over the Shoulder, Bust Shot, Two Shot, Three Shot, High Angle Shot, Low Angle Shot, Point of View, Cross Shot.

Learning Objectives

Diagram the camera and explain its parts.

Interpret information found in the viewfinder and apply it to make adjustments to the camera.

Demonstrate how to use camera calibration tools.

Apply the basic rules of framing when using the camera.

Demonstrate proper shot composition.

Adapt the camera to a variety of lighting situations.

Plan a production utilizing storyboards to model shot composition.

Standards

9.3.12.AR.1	Analyze the interdependence of the technical and artistic elements of various careers within the Arts, A/V Technology & Communications Career Cluster.
9.3.12.AR.5	Describe the career opportunities and means to achieve those opportunities in each of the Arts, A/V Technology & Communications Career Pathways.
9.3.12.AR.6	Evaluate technological advancements and tools that are essential to occupations within the Arts, A/V Technology & Communications Career Cluster.
9.3.12.AR-AV.1	Describe the history, terminology, occupations and value of audio, video and film technology.
9.3.12.AR-AV.2	Demonstrate the use of basic tools and equipment used in audio, video and film production.
9.3.12.AR-AV.3	Demonstrate technical support skills for audio, video and/or film productions.