Unit 4-Basic Camera Identification

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Department of Curriculum and Instruction

Belleville Public Schools

Curriculum Guide

Unit 4-Basic Camera Identification

Belleville Board of Education

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Unit Overview

Students will define and label the parts of the camera. Students will understand the basic parts and functions of the camera. Students will recognize and understand the technological changes throughout the production industry. Finally, students will record and import footage to editing software.

Enduring Understanding

Students will understand that.....

Broadcasting is a form of advertisement and marketing

TV provides a venue to differentiate story telling

Basic film production is the beginning function in story telling

Essential Questions

Can the student identify all parts of the Canon HD Camera?

Can the students identify all the parts of the Panasonic Mini DV Camera?

Can the students operate all the studio cameras?

Can the student white balance the camera?

Is the student able to describe a three camera production shoot?

Can the students explain the need for pre-production?

Can the student import the video production into the editing software?

Exit Skills

Students will be able to.....

Label each individual camera parts on the Canon HD Camera/Panasonic Mini DV Camera

Operate and produce a basic video segment using the camera

Present the findings in changes made throughout advancements in production technology

Import video from the studio camera into editing software

New Jersey Student Learning Standards (NJSLS-S)

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.2	Analyze the importance of health, safety and environmental management systems, policies and procedures common in arts, audio/video technology and communications activities and facilities.
9.3.12.AR.3	Analyze the lifestyle implications and physical demands required in the arts, audio/visual technology and communications workplace.
9.3.12.AR.4	Analyze the legal and ethical responsibilities required in the arts, audio/visual technology and communications workplace.
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.3	Demonstrate technical support skills for audio, video and/or film productions.

Interdisciplinary Connections

	Integration of Knowledge and Ideas
LA.RL.11-12.7	Analyze multiple interpretations of a story, drama, or poem (e.g., recorded or live production of a play or recorded novel or poetry), evaluating how each version interprets the source text. (e.g., Shakespeare and other authors.)
LA.RL.11-12.8	(Not applicable to literature)
LA.RL.11-12.9	Demonstrate knowledge of and reflect on (e.g., practical knowledge, historical/cultural context, and background knowledge) eighteenth-, nineteenth- and early twentieth-century foundational works of literature, including how two or more texts from the same period treat similar themes or topics.
LA.RI.11-12.7	Integrate and evaluate multiple sources of information presented in different media or formats (e.g., visually, quantitatively) as well as in words in order to address a question or solve a problem.
LA.RI.11-12.8	Describe and evaluate the reasoning in seminal U.S. and global texts, including the application of constitutional principles and use of legal reasoning (e.g., in U.S. Supreme Court majority opinions and dissents) and the premises, purposes, and arguments in works of public advocacy (e.g., The Federalist, presidential addresses).
LA.RI.11-12.9	Analyze and reflect on (e.g., practical knowledge, historical/cultural context, and background knowledge) documents of historical and literary significance for their themes, purposes and rhetorical features, including primary source documents relevant to U.S. and/or global history.
LA.W.11-12.1.A	Introduce precise, knowledgeable claim(s), establish the significance of the claim(s), distinguish the claim(s) from alternate or opposing claims, and create an organization that logically sequences claim(s), counterclaims, reasons, and evidence.
LA.W.11-12.1.E	Provide a concluding paragraph or section that supports the argument presented (e.g., articulating implications or the significance of the topic).

Learning Objectives

Students will be able to....

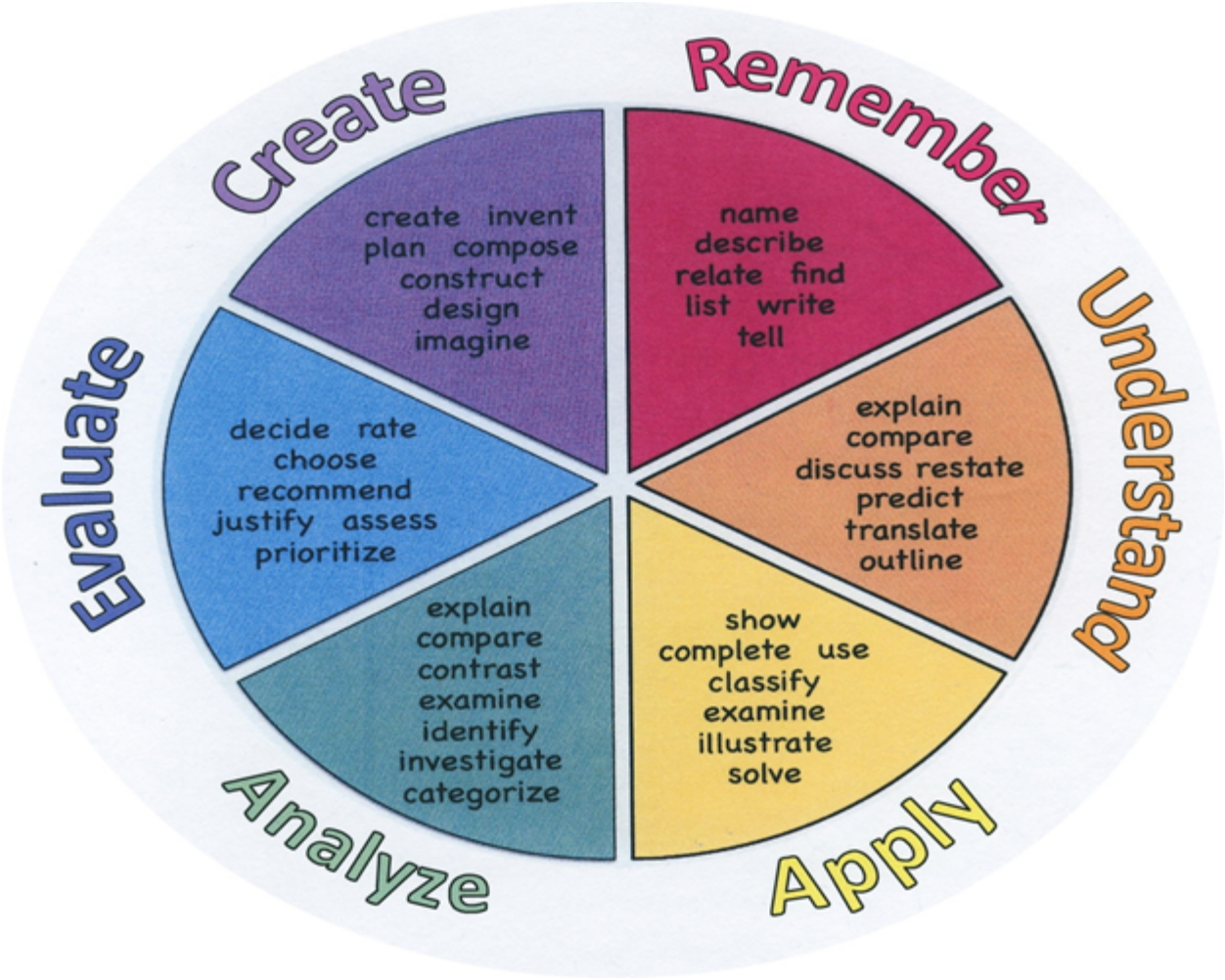
Individually operate the studio cameras

Develop a short video segment that can be imported into editing software

Organize and action plan before filming

Develop a production storyboard that can be used in pre-production

Remember	Understand	Apply	Analyze	Evaluate	Create
	Classify				
	Defend	Choose			
	Demonstrate	Dramatize			
	Distinguish	Explain			
	Explain	Generalize			Combine
Choose	Express	Judge	Categorize		Compose
Describe	Extend	Organize	Classify		Construct
Define	Give Examples	Paint	Compare	Appraise	Design
Label	Illustrate	Prepare	Differentiate	Judge	Develop
List	Indicate	Produce	Distinguish	Criticize	Formulate
Locate	Interrelate	Select	Identify	Defend	Hypothesize
Match	Interpret	Show	Infer	Compare	Invent
Memorize	Infer	Sketch	Point out	Assess	Make
Name	Match	Solve	Select	Conclude	Originate
Omit	Paraphrase	Use	Subdivide	Contrast	Organize
Recite	Represent	Add	Survey	Critique	Plan
Select	Restate	Calculate	Arrange	Determine	Produce
State	Rewrite	Change	Breakdown	Grade	Role Play
Count	Select	Classify	Combine	Justify	Drive
Draw	Show	Complete	Detect	Measure	Devise
Outline	Summarize	Compute	Diagram	Rank	Generate
Point	Tell	Discover	Discriminate	Rate	Integrate
Quote	Translate	Divide	Illustrate	Support	Prescribe
Recall	Associate	Examine	Outline	Test	Propose
Recognize	Compute	Graph	Point out		Reconstruct
Repeat	Convert	Interpolate	Separate		Revise
Reproduce	Discuss	Manipulate			Rewrite
	Estimate	Modify			Transform
	Extrapolate	Operate			
	Generalize	Subtract			
	Predict				



Suggested Activities & Best Practices

-Students will be given handouts with image of camera parts to be identified

-Students will operate cameras to create camera angles and shots

Assessment Evidence - Checking for Understanding (CFU)

-Students will be given hands on quizzes as well as written quizzes that will be used to enhance student knowledge-benchmark assessments

-Students will compare and contrast cameras that are used today compared to prior years-alternate assessment

-Unit test-summative assessment

-Think, pair, share-formative assessment

- Admit Tickets
- Anticipation Guide
- Common Benchmarks
- Compare & Contrast
- Create a Multimedia Poster
- DBQ's
- Define
- Describe
- Evaluate
- Evaluation rubrics
- Exit Tickets
- Explaining
- Fist- to-Five or Thumb-Ometer
- Illustration
- Journals
- KWL Chart
- Learning Center Activities
- Multimedia Reports
- Newspaper Headline
- Outline
- Question Stems
- Quickwrite
- Quizzes
- Red Light, Green Light
- Self- assessments
- Socratic Seminar
- Study Guide
- Surveys
- Teacher Observation Checklist

- Think, Pair, Share
- Think, Write, Pair, Share
- Top 10 List
- Unit review/Test prep
- Unit tests
- Web-Based Assessments
- Written Reports

Primary Resources & Materials

10th edition-Television Production Handbook "Zettl"

Youtube Video Channels

Ancillary Resources

Canon HD Camera Tutorial

Hands on production tours of NBC Studio, MOPO Production Studio, Yankee Stadium Press Area

NBC/FOX Scholarly Articles

Technology Infusion

-Students will use HD Canon XA 10 to film and prepare live footage for broadcast

-Students will use MacBook Pros to edit and upload software

Canon HD Camera

Panasonic Mini-DV Camera

Apple Mac Book- Editing software programs

Desktop PC


Win 8.1 Apps/Tools Pedagogy Wheel
Podcasts
Photostory 3
Kid Story Builder
Music Maker Jam
Paint A Story
Office 365
MS PowerPoint
Stack 'Em Up
NqSquared Numbers
Physamajig
Xylophone 8
Wikipedia
Skydrive
Lync
SkyMap
Skype
Office 365
Puzzle Touch
Easy QR
Memorylage
Life Moments
Word Cloud Maker
Where's Waldo?
MS Excel
Flipboard
Office 365
Nova Mindmapping
Ted Talks
Record Voice Pen
Activities
Podcasts Texts
Digital Stories Apps
Notebooks Movies
Surveys Music
Presentations
Websites
Animations
Paintings
Blog Journal
Diagraming
Bing Search Documenting
Mind mapping
Commenting
Word processing
Social Networking
Recounting
Action Verbs
Transform
Imagine Teach
Design Construct
Rearrange
Invent
Recognise
Describe Identify
Infer Retrieve
Match Locate
List
Understand
Create
Evaluate
Apply
Analyse
Blogging
Commenting
Voting
Surveys
Quizzes
Peer assessment
Self Assessment
Debating
Collaging
Rate
Opinion
Critique
Collaborate
Assess Debate
Justify
Prioritise
Survey
Infer Deduce
Sequence Differentiate
Contrast Examine
Outline Compare
Use Demo
Teach Record
Share Draw
Simulate
Create
Construct
Manipulate
Drawing
Diagraming
Animating
Journals
Photography
Movie Making
Music Making
Story Telling
Scrapbooks
Graphing Voting
Mindmapping Reading comprehension
Peer Assessment Judging Spreadsheets
Surveying Summarising Listening
Mapping Comparing
Originally taken from http://www.coetail.com/vzimmer/files/2013/02/iPadagogy-Wheel.001.jpg
And adapted for Windows 8.1 devices by Charlotte Beckhurst @CharBeckhurst

Alignment to 21st Century Skills & Technology

CRP.K-12.CRP1	Act as a responsible and contributing citizen and employee.
CRP.K-12.CRP1.1	Career-ready individuals understand the obligations and responsibilities of being a member of a community, and they demonstrate this understanding every day through their interactions with others. They are conscientious of the impacts of their decisions on others and the environment around them. They think about the near-term and long-term consequences of their actions and seek to act in ways that contribute to the betterment of their teams, families, community and workplace. They are reliable and consistent in going beyond the minimum expectation and in participating in activities that serve the greater good.
CRP.K-12.CRP2	Apply appropriate academic and technical skills.
CRP.K-12.CRP2.1	Career-ready individuals readily access and use the knowledge and skills acquired through experience and education to be more productive. They make connections between abstract concepts with real-world applications, and they make correct insights about when it is appropriate to apply the use of an academic skill in a workplace situation.
CRP.K-12.CRP3	Attend to personal health and financial well-being.
CRP.K-12.CRP3.1	Career-ready individuals understand the relationship between personal health, workplace performance and personal well-being; they act on that understanding to regularly practice healthy diet, exercise and mental health activities. Career-ready individuals also take regular action to contribute to their personal financial well-being, understanding that personal financial security provides the peace of mind required to contribute more fully to their own career success.
CAEP.9.2.12.C	Career Preparation
CAEP.9.2.12.C.1	Review career goals and determine steps necessary for attainment.
CAEP.9.2.12.C.3	Identify transferable career skills and design alternate career plans.
TECH.8.1.12	Educational Technology: All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaborate and to create and communicate knowledge.
TECH.8.1.12.A	Technology Operations and Concepts: Students demonstrate a sound understanding of technology concepts, systems and operations.
TECH.8.1.12.A.2	Produce and edit a multi-page digital document for a commercial or professional audience and present it to peers and/or professionals in that related area for review.
TECH.8.1.12.A.3	Collaborate in online courses, learning communities, social networks or virtual worlds to discuss a resolution to a problem or issue.
TECH.8.1.12.A.4	Construct a spreadsheet workbook with multiple worksheets, rename tabs to reflect the data on the worksheet, and use mathematical or logical functions, charts and data from all worksheets to convey the results.
TECH.8.1.12.A.5	Create a report from a relational database consisting of at least two tables and describe the process, and explain the report results.

TECH.8.1.12.A.CS1	Understand and use technology systems.
TECH.8.1.12.A.CS2	Select and use applications effectively and productively.

21st Century Skills/Interdisciplinary Themes

- Communication and Collaboration
- Creativity and Innovation
- Critical thinking and Problem Solving
- ICT (Information, Communications and Technology) Literacy
- Information Literacy
- Life and Career Skills
- Media Literacy

21st Century Skills

- Civic Literacy
- Environmental Literacy
- Financial, Economic, Business and Entrepreneurial Literacy
- Global Awareness
- Health Literacy

Differentiation

-Students will work in small groups to complete video camera angles and shots for video production

-A video/oral presentation will be created and uploaded onto google classroom

Differentiations:

- Small group instruction
- Small group assignments
- Extra time to complete assignments
- Pairing oral instruction with visuals
- Repeat directions
- Use manipulatives
- Center-based instruction
- Token economy
- Study guides
- Teacher reads assessments allowed
- Scheduled breaks

- Rephrase written directions
- Multisensory approaches
- Additional time
- Preview vocabulary
- Preview content & concepts
- Story guides
- Behavior management plan
- Highlight text
- Student(s) work with assigned partner
- Visual presentation
- Assistive technology
- Auditory presentations
- Large print edition
- Dictation to scribe
- Small group setting

Hi-Prep Differentiations:

- Alternative formative and summative assessments
- Choice boards
- Games and tournaments
- Group investigations
- Guided Reading
- Independent research and projects
- Interest groups
- Learning contracts
- Leveled rubrics
- Literature circles
- Multiple intelligence options
- Multiple texts
- Personal agendas
- Project-based learning
- Problem-based learning
- Stations/centers
- Think-Tac-Toes
- Tiered activities/assignments
- Tiered products
- Varying organizers for instructions

Lo-Prep Differentiations

- Choice of books or activities
- Cubing activities
- Exploration by interest
- Flexible grouping
- Goal setting with students
- Jigsaw
- Mini workshops to re-teach or extend skills
- Open-ended activities
- Think-Pair-Share
- Reading buddies
- Varied journal prompts

- Varied supplemental materials

Special Education Learning (IEP's & 504's)

-Students will be given additional time to master the parts of the camera and how to operate all video functions

-Printed copy of notes for all camera operations

- printed copy of board work/notes provided
- additional time for skill mastery
- assistive technology
- behavior management plan
- Center-Based Instruction
- check work frequently for understanding
- computer or electronic device utilizes
- extended time on tests/ quizzes
- have student repeat directions to check for understanding
- highlighted text visual presentation
- modified assignment format
- modified test content
- modified test format
- modified test length
- multi-sensory presentation
- multiple test sessions
- preferential seating
- preview of content, concepts, and vocabulary
- Provide modifications as dictated in the student's IEP/504 plan
- reduced/shortened reading assignments
- Reduced/shortened written assignments
- secure attention before giving instruction/directions
- shortened assignments
- student working with an assigned partner
- teacher initiated weekly assignment sheet
- Use open book, study guides, test prototypes

English Language Learning (ELL)

-Student will be assisted by peers, fluent in native language to identify camera parts and operation

-Students will be allowed to correct all errors until students become proficient in camera operation

- teaching key aspects of a topic. Eliminate nonessential information
- using videos, illustrations, pictures, and drawings to explain or clarif
- allowing products (projects, timelines, demonstrations, models, drawings, dioramas, poster boards, charts, graphs, slide shows, videos, etc.) to demonstrate student's learning;
- allowing students to correct errors (looking for understanding)
- allowing the use of note cards or open-book during testing
- decreasing the amount of workpresented or required
- having peers take notes or providing a copy of the teacher's notes
- modifying tests to reflect selected objectives
- providing study guides
- reducing or omitting lengthy outside reading assignments
- reducing the number of answer choices on a multiple choice test
- tutoring by peers
- using computer word processing spell check and grammar check features
- using true/false, matching, or fill in the blank tests in lieu of essay tests

At Risk

-Students will be given option to use illustrations or video lessons to view camera

-Students will select their own video idea or production to create camera shots and angles

- allowing students to correct errors (looking for understanding)
- teaching key aspects of a topic. Eliminate nonessential information
- allowing products (projects, timelines, demonstrations, models, drawings, dioramas, poster boards, charts, graphs, slide shows, videos, etc.) to demonstrate student's learning
- allowing students to select from given choices
- allowing the use of note cards or open-book during testing
- collaborating (general education teacher and specialist) to modify vocabulary, omit or modify items to reflect objectives for the student, eliminate sections of the test, and determine how the grade will be determined prior to giving the test.
- decreasing the amount of workpresented or required
- having peers take notes or providing a copy of the teacher's notes
- marking students' correct and acceptable work, not the mistakes
- modifying tests to reflect selected objectives

- providing study guides
- reducing or omitting lengthy outside reading assignments
- reducing the number of answer choices on a multiple choice test
- tutoring by peers
- using authentic assessments with real-life problem-solving
- using true/false, matching, or fill in the blank tests in lieu of essay tests
- using videos, illustrations, pictures, and drawings to explain or clarify

Talented and Gifted Learning (T&G)

-Students will be given an advanced list of camera shots to complete at faster pace

-Students will troubleshoot any and all issues that arise when operating the camera Canon XA10

- Above grade level placement option for qualified students
- Advanced problem-solving
- Allow students to work at a faster pace
- Cluster grouping
- Complete activities aligned with above grade level text using Benchmark results
- Create a blog or social media page about their unit
- Create a plan to solve an issue presented in the class or in a text
- Debate issues with research to support arguments
- Flexible skill grouping within a class or across grade level for rigor
- Higher order, critical & creative thinking skills, and discovery
- Multi-disciplinary unit and/or project
- Teacher-selected instructional strategies that are focused to provide challenge, engagement, and growth opportunities
- Utilize exploratory connections to higher-grade concepts
- Utilize project-based learning for greater depth of knowledge

Sample Lesson

Using the template below, please develop a **Sample Lesson** for the first unit only.

Unit Name:

NJSLS:

Interdisciplinary Connection:

Statement of Objective:

Anticipatory Set/Do Now:

Learning Activity:

Student Assessment/CFU's:

Materials:

21st Century Themes and Skills:

Differentiation/Modifications:

Integration of Technology: