

TECHNOLOGY MODULE

DIGITAL PHOTOGRAPHY

NATIONAL STANDARDS

- #8 – Students will develop an understanding of the attributes of design
 #11- Students will develop abilities to apply the design process

NATIONAL BENCHMARKS

#8-H The design process includes defining a problem, brainstorming researching and generating ideas, identifying criteria and specifying constraints, exploring possibilities, selecting an approach, developing a proposal, making a model of prototype, testing and evaluating the design using specifications, refining the design, creating or making it, and communicating process and results.

#8-Q Develop and produce a product or system using a design process

ACTIVITIES

- Students will learn the safe and proper use of a digital camera
- Students will learn the nomenclature of a digital camera
- Students will learn to identify and properly adjust and use the controls of a digital camera
- Students will learn how to transfer a digital image from the camera to the computer
- Students will learn how to put a digital image into a document
- Students will make printout of a concrete object (flower, computer, book, animal, insect, etc.)

SHOW ME STANDARDS

Performance Standards:

- Goal # 1-4 Use technological tools and other resources to locate, select and organize information
 Goal # 2-7 Use technological tools to exchange information and ideas
 Goal # 3-8 Assess cost, benefits and other consequences of proposed solutions
 Goal # 4-8 Explore, prepare for and seek educational job opportunities

Knowledge Standards:

- Communications Arts # 6 Participating in formal and informal presentations and discussions of issues and ideas

 Mathematics # 2 Geometric and spatial sense involving measurements (including length, area, volume) trigonometry, and similarity and transformations of shapes

ASSESSMENT

- Students will demonstrate proper handling and use of a digital camera
 Students will identify the nomenclatures of a digital camera written and orally
 Students will demonstrate a clear understanding of how to adjust the controls of a digital camera written and orally
 Students will demonstrate the image process from camera to computer
 Students will process an advertisement for a community or local event with a printed digital image
 Students will produce an ad suitable for a full page advertisement for a newspaper or magazine of a popular product