

What is E-Fashion? | Fashion & Science a New Media Literacy | Session # 1 | Date:

Overview:

The goal of day 1 is to introduce students to key concepts and vocabulary related to E-Fashion and circuitry design through analyzing non-digital and digital designs as well as classroom discussions. Students will discuss and analyze fashion designers, fashion design and e-fashion designs in pairs. Students will carry a whole group discussion on what makes a good design and personal style.

Targeted principles, standards and skills:

Standards	Fashion Design Principles	Skill
<p>Students will be able to: Formulate hypotheses about a working circuit that can be tested by collecting data Identify key elements and principles of design</p>	<p>Students will be able to: Identify elements of personal style.</p>	<p>Students will be able to: Assemble a working circuit using 3V battery and LED Recall steps to create working circuit Express personal feelings about aesthetics of fashion</p>

Objectives	Assessment
<ul style="list-style-type: none"> • Introduce students to basics of E-Fashion • Have the ability to construct a basic circuit • Development of the ability to explain personal style choices 	<ul style="list-style-type: none"> • Role: Scientist <ul style="list-style-type: none"> ○ Functioning circuit ○ Ability to articulate functions of working circuit • Role: Fashion Designer <ul style="list-style-type: none"> ○ Explains personal style choice

Vocab and Key Concepts	Resources
<ul style="list-style-type: none"> • Concept: <ul style="list-style-type: none"> ○ Elements of Fashion Design ○ Principles of Fashion Design ○ Polarity • Vocabulary: <ul style="list-style-type: none"> ○ Style – A way of doing something or behaving. ○ Circuit – the complete path that an electric current travels along ○ Polarity - the particular state either positive or negative with reference to the two poles or to electrification 	<ul style="list-style-type: none"> • Digital Divas Video <ul style="list-style-type: none"> ○ http://www.youtube.com/watch?v=HCX3ReOekJ4 • Digital Divas Tumblr <ul style="list-style-type: none"> ○ http://dyndivas.tumblr.com/ • Celebrities wearing e-fashion <ul style="list-style-type: none"> ○ http://www.ecouterre.com/7-celebrities-who-cant-get-enough-of-wearable-technology/ •

Materials:

- 3V Batteries
- White LED's
- Internet access
- Laptop or Desktop
- LED, Battery and Circuit Diagram worksheet (attached).
- Divas Journal

Preparation:

- Space should be designed so that students are sitting together at a large table or with desks facing each other.

Lesson Outline:**Opener (5 mins.)**

- Student round circle prompt (a round circle is an open discussion where students come together to focus their thoughts and ideas on the goals for the day):
 - Prompt: What is a designer?
 - By the end of the discussion students should understand that they are now designers and will be tasked with creating wearable technology.
- Review the day's goals and outcomes:
 - Introduce elements and principles of fashion design
 - Understand a working circuit
 - Understand how polarity works within a circuit
 - Use DIVAS journal for reflection
 - Create first photo blog

Activities (60 mins.)**Part 1: What's a circuit – 10-15 mins**

- Students receive materials (1 – 3V Battery, 1 – LED, 1 – Circuit Diagram worksheet, journal)
 - Students take turns reading aloud the definitions and parts of the circuit from the Circuit Diagram worksheet (**3 mins**)
 - Vocabulary: Circuit & Polarity
 - Tinker and Analysis: Students are charged with solving the following issue: Create a working circuit by lighting the LED using the 3V battery (**2 mins**).
 - After Tinker Time (**2 mins**): begin discussion about why the LED lights, how long it took to discover solution to the problem, any further discoveries.
 - Students should take a photo of their working circuit.
- Students should take a few minutes to answer the questions in their reflection journal (**3-5 mins**):
 - State your solution for creating a working solution using a 3V battery and LED.

Part 2: What's my personal style? – 10-15 mins

- Introduce vocabulary: Style
 - Open discussion for students to discuss personal style **(5 mins)**
 - Possible prompts for guiding discussion:
 - Name a celebrity who you think has style, explain what this style is in your own words.
 - How would you describe your style (lady-like, chic, goth, hip hop, urban, classic, edgy, modern?)
 - Do you have a signature staple (for example, if a stranger were to look in your drawers or closet would they see the same pattern over and over again or are you fond of a particular color? Do you love dresses or just pants – if you answer yes to any of these questions then that's your signature staple).
- Students will use laptop or computer to find an image of a celebrity or person they think has a style they believe aligns with their personal style **(10 mins)**
 - Students will bookmark the image and answer the following question in their journal: Why does this person or outfit fit your personal style?

Part 3: What is e-Fashion? - 10 mins

- Show students samples of LED clothing & wearable technology (see resources)
 - After each image give students time to reflect on what they like and don't like about the fashions aloud.
- Students will use laptop or computer to find an image of favorite e-fashion design.
 - Students will bookmark the image and answer the following question in their journal: If you were redesigning your favorite e-Fashion design, what would you change and why?

FINAL ACTIVITY: 15 mins

- Students will create a photo blog with the following:
 - Upload image of final working circuit. Under the image of working circuit type answers from journal reflection question: State your solution for creating a working solution using a 3V battery and LED.
 - Upload image of chosen outfit or celebrity that reflects personal style. Under the image type answers from journal reflection question: Why does this person or outfit fit your personal style?
 - Upload image of favorite e-fashion design. Under image type answer from journal reflection question: If you were redesigning your favorite e-Fashion

design, what would you change and why?

Exit slip

- Complete final photo blog

Practice Opportunities

- Continue researching designers who use create e-fashion designs
- What designers of wearable technology are minorities (women, women of color)?

Teacher Reflection:

How Did it Go?

- Were students able to create a working circuit?
 - Was the group respectful during community time (answering questions in a group and group discussions)?
 - Were students able to articulate what they liked and didn't like about different designs?
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PHOTO BLOG EXAMPLE



In order to solve the problem of making the LED light up using a 3v battery I put the long end of the LED leg (positive) with the plus sign of the LED. This created a working circuit.



Solange Knowles has a great style that I think is close to mine because she always looks neat and puts different styles together. Like in this picture she has classic and glam.



This is my favorite LED design. If I were going to revise this outfit I'd change the shoulders and make it shorter.

