Style & Design Curriculum Map by Session

Session	Standard(s)	Essential Questions	Content	Skills	Artifact/Deliverable
One	• **Science: 11.A.3a** Formulate hypotheses that can be tested by collecting data • **Fashion: 5.1** Identify key elements and principles of design	• **Science:** What is circuitry – How does a circuit flow? • **Fashion:** What is my style? What designers are producing for me as a target audience?	• Lighting the 3V Battery and Polarity • Fashion blog – Key element: Style	• Assemble a working circuit using 3V battery and LED • Recall steps to create working circuit • Express personal feelings about aesthetics of fashion	• Photo blog: Picture of working circuit description of steps taken to create circuit. Picture of favorite e-Fashion design with explanation of STYLE choice.
Two	• **Science: 11.B.3a** Identify an actual design problem and establish criteria for determining the success of a solution. • **Fashion: 5.1** Identify key elements and principles of design • **Fashion: 6.2** Identify the characteristics of natural and manufactured fibers	• **Science**: How do I identify problem in design of series circuit? • **Fashion:** How do textures of fibers influence design decisions when using series circuit's within fashion design?	• Using alligator clips for series circuits • Conductive vs non-conductive materials • Key element: Texture	• Assemble working series circuit using alligator clips • Recall steps to create working series circuit • Analyze the pros and cons of fiber and texture choices	• Discussion participation.

Three	• **Science: 11.A.3a** Formulate hypotheses that can be tested by collecting data. • **Science: 11.A.3b** Conduct scientific experiments that control all but one variable. • **Science: 11.A.3c** Collect and record data accurately using consistent measuring and recording techniques and media. • **Science: 11.A.3d** Explain the existence of unexpected results in a data set. • **Fashion: 5.3** Demonstrate an understanding of color principles	• **Science:** How are technological tools used to collect and record data accurately? • **Fashion:** What is a color wheel?	• Use multi-meter tool for conductivity testing • Key element: Color	• Categorize data from conductivity test kit. • Label Primary and Secondary colors on original color wheel	• Conductivity kit worksheet. • Color wheel
Four	• **Fashion: 4.2** Select an appropriate measurement technique for a specific measurement need • **Fashion: 13.4** Illustrate the principles and elements of design in fashion sketches	• **Fashion:** How do I use a pattern and measurements to produce a fashion accessory • **Fashion:** What is a fashion design sketch? How do I use a sketch to reach goals	• Sewing and knotting • Sketch a fashion using elements – color, pattern, rhythm, style	• Duplicate a running stitch • Choose knotting technique • Illustrate understanding of fashion elements through sketch drawings	• Fashion sketch • Sewing worksheet • Photo blog favorite designer stitching patterns, style, quality.

Five	• **Science: 11.B.3b** Sketch, propose and compare design solutions to the problem considering available materials, tools, cost effectiveness and safety • **Science: 11.B.3c** Select the most appropriate design and build a prototype or simulation. • **Fashion: 5.5** Explain how color impacts design	• **Science:** How can a paper prototype be used to propose and compare design solutions • **Science:** What design is most appropriate for building paper prototype • **Fashion:** How can complimentary colors be used within design	• Build a paper prototype • Identify and highlight series circuit connections • Use key fashion elements within paper design	• Sketch ideas • Choose complementary colors • Apply specific key elements of fashion • Assemble a paper prototype	• Paper prototype • Video Blog
Six	• **Science: 11.B.3d** Test the prototype using available materials, instruments and technology and record the data. • **Science: 11.B.3e** Evaluate the test results based on established criteria, note sources of error and recommend improvements. • **Science: 11.B.3f** Using available technology, report the relative success of the design based on the test results and criteria. • **Fashion: 6.3** Identify the characteristics of fabrics with various yarn construction	• **Science:** What materials are needed to create functioning wearable technology? • **Science:** How can I test materials to ensure wearable technology is functioning? • **Fashion:** How is conductive thread different from non-conductive thread?	• Test design with materials based on paper prototype • Use conductive thread to create working piece of wearable technology.	• Prepare materials and elements needed to create functioning e-fashion artifact. • Select appropriate materials for production of wearable technology • Construct functioning wearable technology	Working circuit using fashion materials

Seven	• **Scinece: 11.A.3g** Report and display the process and results of a scientific investigation.	• What are the challenges encountered during the production of wearable technology?	• Production	• Identify production challenges • Revise based on challenges • Explain production process	• Completed e-fashion design
Eight	• **Scinece: 11.A.3g** Report and display the process and results of a scientific investigation.	• What is the proper way to report and display the process and results of a series circuit design within wearable technology?	• Share out	• Appraise craftsmanship and scientific outcomes of peers • Summarize scientific outcome	• Critique of peer designs • Photo blog: image of completed design & reflection of scientific and fashion design process.