Randolph Township Schools
Randolph High School

Advanced Fashion Design/Construction Curriculum

“Every generation laughs at the old fashions, but follows religiously the new.”
Henry David Thoreau

Supervisor of Visual and Performing Arts
Veeresh Popat

Curriculum Committee
Jill Petrucelli

Curriculum Developed - Summer 2012
Board APPROVAL – November 19, 2012
Randolph Township Schools  
Department of Family and Consumer Science  
Advanced Fashion Design/Construction  
Curriculum

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Randolph Township Schools
Mission Statement

We commit to inspiring and empowering all students in Randolph Schools to reach their full potential as unique, responsible and educated members of a global society.

Randolph Township Schools
Affirmative Action Statement

Equality and Equity in Curriculum

The Randolph Township School district ensures that the district’s curriculum and instruction are aligned to the state’s standards. The curriculum addresses the elimination of discrimination and the achievement gap, as identified by underperforming school-level AYP reports for state assessments. The curriculum provides equity in instruction, educational programs and provides all students the opportunity to interact positively with others regardless of race, creed, color, national origin, ancestry, age, marital status, affectional or sexual orientation, gender, religion, disability or socioeconomic status.

N.J.A.C. 6A:7-1.7(b): Section 504, Rehabilitation Act of 1973; N.J.S.A. 10:5; Title IX, Education Amendments of 1972
The statements represent the beliefs and values regarding our educational system. Education is the key to self-actualization, which is realized through achievement and self-respect. We believe our entire system must not only represent these values, but also demonstrate them in all that we do as a school system.

We believe:
• The needs of the child come first
• Mutual respect and trust are the cornerstones of a learning community
• The learning community consists of students, educators, parents, administrators, educational support personnel, the community and Board of Education members
• A successful learning community communicates honestly and openly in a non-threatening environment
• Members of our learning community have different needs at different times. There is openness to the challenge of meeting those needs in professional and supportive ways
• Assessment of professionals (i.e., educators, administrators and educational support personnel) is a dynamic process that requires review and revision based on evolving research, practices and experiences
• Development of desired capabilities comes in stages and is achieved through hard work, reflection and ongoing growth
Fashion is a familiar yet mysterious world that we all experience within our daily lives. Fashion dictates what we wear, the impression we make on others, and our own personal self-concept.

This course is designed to extend and refine the skills that were developed in Basic Fashion Design/Construction. Throughout the year, the student will acquire the knowledge and skills needed to advance both their design and sewing skills. They will explore the skills necessary to complete basic fashion drawing and rendering techniques as they build a design portfolio which will include images of their construction projects, research on the current style trends and fads, and design and drawing exercises.

Prerequisite – successful completion of Basic Fashion Design/Construction
### Curriculum Pacing Chart
#### Advanced Fashion Design/Construction

<table>
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- Each marking period will include design fundamentals, fashion drawing and/or rendering, portfolio development (both construction skills and research), and the construction of a garment or accessory.
# ENDURING UNDERSTANDINGS

The sewing machine is the most important piece of equipment that is used when you construct a garment or accessory.

Safely utilizing the appropriate tools and machinery is essential to successful construction of garments and fashion related products.

Technology is infused in all aspects of fashion and its related industries.

# ESSENTIAL QUESTIONS

- What can be done to resolve the issues created by a sewing machine that is not operating correctly?
- Why is it necessary to take precautions and prevent accidents when utilizing equipment in the fashion room?
- How is technology used in the design, construction and production of garments, accessories and textiles?

## KNOWLEDGE

**Students will know:**

Even though sewing machines vary, there are some similarities between all models.

Correct use of the sewing machine is essential to trouble free sewing.

Safety is an essential component of a productive fashion room.

Technology has increased the speed of completion of many of the tasks related to fashion design and construction.

The cost of many textile products has decreased due to technological advancements.

## SKILLS

**Students will be able to:**

Identify and explain the use of the essential components of any sewing machine.

Set-up, and safely run a sewing machine.

Identify and safely use the appropriate tools necessary to accomplish a given task during the construction of a garment or accessory.

Recognize the technological advances that have been made recently in the fashion industry.

Distinguish between the construction methods that have been used to create textile products.

## NJCCCS

- 9.1.12.A.1
- 9.1.12.B.1, .3
- 9.1.12.F.1, .2
- 9.3.12.C.2, .3
- 9.4.12.J.1, .2, .4, .5
- 9.4.12.J.7,.21, .23
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<td>• Construction and measuring tools</td>
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<td>Purpose and uses</td>
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<td>• Technological Advancements</td>
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<td>• Fabric Construction</td>
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<td>Weaving</td>
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<td>Knitting</td>
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<td>Felting</td>
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<td>Non-woven</td>
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### ENDURING UNDERSTANDINGS

The elements of art and principles of design are the building blocks of all design work.

Knowledge and appreciation of aesthetics applies to the creation of a student’s personal sense of style.

The knowledge of design fundamentals is essential to the creation of fashion and accessory designs that can be understood and appreciated by others.

Fundamental knowledge of the elements of art and principles of design assists in critically describing, analyzing, interpreting, and evaluating garment and accessory designs.

### ESSENTIAL QUESTIONS

- How does an understanding of fashions from avant-garde designers help develop a personal design perspective?
- What influences the trends in the elements and principles of design in a line of garments from a current fashion designer?
- Why do designers strive to differentiate their works from others in their industry?
- How can the use of different skills and techniques determine the outcome of the design?
- How does the process of critiquing the design work of other designers contribute to one’s personal growth as a designer?

### KNOWLEDGE

**Students will know:**

A successful garment or accessory design is based on the elements of art and the principles of design.

Personal style can be represented through a student’s work as a designer.

The techniques necessary to create a well-crafted design presentation.

The process by which a design can be analyzed and critiqued constructively.

### SKILLS

**Students will be able to:**

Create garment and accessory designs that are based on the elements of art and the principles of design.

Determine their personal style and reflect it in their designs.

Construct accordion books to present their designs following acceptable presentation and mounting methods.

Constructively critique their personal design work as well as the work that is presented by others.

### NJCCCS

- 1.1.12A
- 1.1.12 B
- 1.2.12 D
- 1.3.12 D
- 9.1.12.A.1
- 9.1.12.B.1, .3
- 9.1.12.F.1, .2
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- 9.4.12.J.7,.21, .23
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<th>CONTENT – UNIT OF STUDY</th>
<th>SUPPLEMENTAL UNIT RESOURCES</th>
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</thead>
</table>
| Ongoing – 4 weeks (1 week/mp) | • Elements of Art  
• Principles of Design  
• Design Style vs. Personal Style  
• Presentation Formats  
  Accordion books  
  Design boards  
  Digital formats  
• Critique formats and guidelines | YouTube tutorial videos  
Completed sample exercises  
### ENDURING UNDERSTANDINGS

Fashion drawing and rendering is a practical skill that needs specialized tools and practice to master.

Fashion designers use their drawing skills to communicate their design ideas on paper as part of the design process.

In order to maximize the potential of your design, you must be able to render your illustrations with articulation in line and color.

### ESSENTIAL QUESTIONS

- What is the role of the fashion drawing in the development of ideas, skills and techniques for the fashion designer?
- How can communication in the design process be enhanced through the use of fashion drawings?
- What makes color so important in fashion?
- How can technology be used to translate a designer’s ideas to their customers?

### KNOWLEDGE

**Students will know:**

The fashion artist needs a variety of specialized drawing and coloring tools to create high quality drawings and renderings.

Fashion drawing skills need to be learned and practiced over and over again until they become second nature.

Fashion drawings are an essential communication component of the design process.

Design markers are an excellent choice for color rendering and they can easily be combined with other coloring media to polish a drawing.

Illustrations need to be visually dynamic and clear in content to accurately communicate a designer’s concept.

### SKILLS

**Students will be able to:**

Identify the tools needed to sketch and render a fashion drawing.

Draw a proportional fashion figure (croqui) in a full front and back pose with all necessary and appropriate details.

Use a fashion drawing to communicate their design ideas to the class.

Manipulate the inherent potential of design markers to create realistic fabrics and design features.

Identify the other types of color media that work well with design markers and demonstrate their use.

Draw and render their design ideas clearly and accurately.

### NJCCCS

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<th>SKILLS</th>
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</table>
| Ongoing – 4 – 6 weeks (1 – 2 weeks/mp) | • **Tools and Terminology**  
Paper  
Pencils  
Markers  
Colored pencils  
Erasers  
• **Proportions of the Croqui**  
Croqui front view  
Croqui back view  
• **Drawing clothes on the croqui**  
Defining the Garment  
Fabric and details  
• **Rendering basics**  
Outlining and details  
Solid colors  
Shading  
YouTube tutorial videos  
Completed sample exercises  
**UNIT IV: Project Construction**

<table>
<thead>
<tr>
<th>ENDURING UNDERSTANDINGS</th>
<th>ESSENTIAL QUESTIONS</th>
</tr>
</thead>
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<tr>
<td>Sewing construction involves the development of skills that require practice to master.</td>
<td>• How does the lack of appropriate sewing construction skills limit the capabilities of a designer?</td>
</tr>
<tr>
<td>The fit of a garment is equal in importance to the quality of its construction.</td>
<td>• How does the fit of a garment evolve as styles change?</td>
</tr>
<tr>
<td>Choosing and preparing the appropriate fabric and notions for the construction of a garment or accessory is crucial to the success of the project.</td>
<td>• What criteria does a designer use in determining the type of fabrics that will be needed to translate your designs accurately?</td>
</tr>
<tr>
<td>Translating a garment (or accessory) design into the actual construction of a representative garment (or accessory) requires both vision and foresight into the design process.</td>
<td>• Does a designer’s personal style influence their design prospective? Why and how?</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>KNOWLEDGE</th>
<th>SKILLS</th>
<th>NJCCCS</th>
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<tr>
<td><strong>Students will know:</strong></td>
<td><strong>Students will be able to:</strong></td>
<td>9.1.12.A.1 9.1.12.B.1, .3 9.1.12.F.1, .2 9.3.12.C.2, .3 9.4.12.J.1, .2, .4, .5 9.4.12.J.7,.21, .23</td>
</tr>
<tr>
<td>Control of the sewing machine is essential to the successful construction of a garment or accessory.</td>
<td>Control and sew accurately when operating a sewing machine.</td>
<td></td>
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<tr>
<td>Fluency in the sewing and construction terms used in pattern directions will enable you to become increasingly more independent.</td>
<td>Translate, understand and use appropriate sewing construction terms found in sewing pattern directions.</td>
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<tr>
<td>Accurate body measurements are necessary when you chose a pattern size.</td>
<td>Take accurate body measurements using a tape measure and chose the appropriate pattern size that corresponds with those measurements.</td>
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<tr>
<td>Wearing ease relates to the wearing comfort of a garment.</td>
<td>Make adjustments to the pattern and/or the actual garment to improve the fit as it relates to the style and comfort of the garment.</td>
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<tr>
<td>As you develop your sewing construction skills, you expand your ability to translate your design ideas into actual garments or accessories that you can construct.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fabric and notions must work together symbiotically for a sewing construction project to be successful.</td>
<td>Translate their designs into representative garments or accessories.</td>
<td></td>
</tr>
<tr>
<td>The method by which a fabric was constructed as well as its fiber content, its drape and its hand all contribute to its appropriate uses.</td>
<td>Identify and chose fabrics and notions that work together to enhance and emulate the design.</td>
<td></td>
</tr>
<tr>
<td>The process by which a sewing construction project can be analyzed and critiqued constructively.</td>
<td>Chose fabrics that will produce the desired results in their completed construction projects.</td>
<td></td>
</tr>
<tr>
<td>Distinguish between the construction methods that have been used to create textile products.</td>
<td>Distinguish between the construction methods that have been used to create textile products.</td>
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</tr>
<tr>
<td>Constructively critique their personal sewing construction work as well as the work that is presented by others.</td>
<td>Constructively critique their personal sewing construction work as well as the work that is presented by others.</td>
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## Curriculum Pacing Chart – Unit IV: Project Construction
### Advanced Fashion Design/Construction

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<tr>
<th>Suggested Time Allotment</th>
<th>Content – Unit of Study</th>
<th>Supplemental Unit Resources</th>
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</thead>
</table>
| Ongoing – 20 weeks (approximately 5 weeks /mp) | • Sewing construction terminology  
• Skill assessment  
• Design concepts  
• Project selection  
• Pattern and garment alterations  
Fashion Patterns by Coni – video tutorials  
YouTube tutorial videos  
Completed sample exercises  
### ENDURING UNDERSTANDINGS

The skills and tools needed to create a garment or accessory are very diverse.

Mastery of both basic and advanced sewing techniques can only be achieved through an understanding of the process and repetition of the technique.

### ESSENTIAL QUESTIONS

- How do well developed sewing skills relate to the wear ability and durability of a garment?
- In what ways is the price of a garment related to its actual quality?
- What skills and tools should be employed in order to increase productivity in the fashion room? Defend your answer.

### KNOWLEDGE

**Students will know:**

- The name and appropriate use of a varied selection of common sewing tools.
- How to create a variety of basic seaming techniques and where each technique should be used.
- Facings are used to stay and finish the edge of a garment typically at the neck, sleeveless armhole, and waist (of a skirt).
- The accusation of new or more advanced skill techniques will enable you create more detailed or intricate garments or accessories.
- A zipper that is applied to the fabric correctly can enhance the overall quality and look of the garment or accessory.
- Fabrics are created from both synthetic and natural fibers using a variety of woven and knitting techniques.

### SKILLS

**Students will be able to:**

- Identify the appropriate tools necessary to accomplish a given task during the construction of a garment or accessory.
- Demonstrate a variety of seaming techniques (including simple, basic knit, French, clean) and evaluate a garment’s design and fabric selection to determine the appropriate technique to employ.
- Construct a facing using the necessary layering, sewing, trimming and clipping techniques to enable it to lay flat and straight.
- Construct samples of the new skill techniques that will be incorporated into the proposed project design.
- Create samples of zipper application techniques and explain how each one would enhance the overall quality and look of the garment or accessory it was used on.
- Demonstrate an understanding of the inherent qualities of a variety of fibers and fabrics by using them appropriately for the construction of garments and accessories.

### NJCCCS

- 9.1.12.A.1
- 9.1.12.B.1, .3
- 9.1.12.F.1, .2
- 9.3.12.C.2, .3
- 9.4.12.J.1, .2, .4, .5
- 9.4.12.J.7, .21, .23
### SUGGESTED TIME ALLOTMENT

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<tr>
<th>CONTENT – UNIT OF STUDY</th>
<th>SUPPLEMENTAL UNIT RESOURCES</th>
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</table>
| Ongoing – 4 weeks (1 week/mp) | • Tools and Terminology  
• Construction details  
• Seam finishes  
• Facings  
• Zipper applications  
• Hand stitching and hemming  
Fashion Patterns by Coni – video tutorials  
YouTube tutorial videos  
Completed sample exercises  
### ENDURING UNDERSTANDINGS

Most of the “new” fashions that are presented each year are really just reinterpretations of styles that have occurred throughout the history of fashion.

The influence of technology can be seen in all aspects of fashion and its related industries.

In addition to the actual design of a garment or accessory, color, notions and fabric have a profound influence on the trends we see in the fashion market today.

### ESSENTIAL QUESTIONS

- Why is it important to trace the historical background of current fashions?
- As technology continues to make advancements, how will it influence what we wear and how it is made?
- How can fashion trends be predicted seasons in advance?

### KNOWLEDGE

**Students will know:**

- The research methods that can be used to trace the roots of current fashions.
- How the creation of synthetic fibers continues to affect the cost and production of both natural and synthetic fabrics.
- Where fabrics are produced and how their country of origin affects their price and availability.
- How trends are forecast.

### SKILLS

**Students will be able to:**

- Employ an appropriate research method to determine the origin of a selected fashion style.
- Create a timeline of the development of fibers and fabrics and relate them to other historical events that coincide with their introduction.
- Correlate the cost of producing a fabric with its ultimate cost in the consumer market.
- Explain how trends are predicted and make their own predictions using similar sources.

### NJCCCS

- 9.1.12.A.1
- 9.1.12.B.1, .3
- 9.1.12.F.1, .2
- 9.3.12.C.2, .3
- 9.4.12.J.1, .2, .4, .5
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<td>Ongoing – 4 weeks</td>
<td>• Fashion research methodologies</td>
<td>Current fashion periodicals</td>
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<td>(1 week/mp)</td>
<td>• Historical style research</td>
<td>Seasonal fashion shows</td>
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<td>• Fiber/fabric research for timeline</td>
<td>Virtual fashion exhibits</td>
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<td></td>
<td>• From fiber to fabric – the production process</td>
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<td></td>
<td>• Trend Watch</td>
<td>Bing</td>
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<td>YouTube tutorial videos</td>
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<tr>
<td></td>
<td></td>
<td>Completed sample exercises</td>
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