 **WEEKLY “WHY” LESSON PLAN**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Lesson Title:Sewing Machine Parts Oct 6, 2014 Oct. 8, 2014 | | | Lesson 8of 25 ; Unit #7 | |
| Duration:50 Minutes | | | Teacher/Student Ratio:1/24 | |
| Lesson File Name:FDM-Sew Lesson 8 Teacher:Mrs. Robles  Subject:Machine Parts Grade Level:10,11,12 | | | | |
| **STANDARD** | | | | |
| **STANDARD:** **Standard and Measurement Criteria** **STANDARD & MEASUREMEN**  12.0 CONSTRUCT A GARMENT BY APPLYING THE PRINCIPLES OF QUALITY APPAREL  CONSTRUCTION  **12.5 Use a pattern to construct a garment**  LOCAL STANDARD – SAFETY  **LS.16 Use trade equipment and tools appropriately**  **LS.17. Identify proper safety procedures to maintain and store equipment** | | | | |
| **OBJECTIVES** | | | **TERMINOLOGY** | |
| **Student will be able to:**   1. Identify safety procedures. 2. Define vocabulary terms. 3. Identify conventional sewing machine parts. 4. Isolate the different types of sewing machine parts and their purpose. | | | **For each term:**  **2 definitions, draw one picture with color, and one summary for all.**  **1.Handwheel**– component that allows the user to manually moves the machine needle up or down.  **2. Bobbin** – metal or plastic spool that holds the lower thread for the sewing machine.  **3. Bobbin case** – metal holder for the bobbin, allows the bobbin to stay in place.  **4. Bobbin winder**-holds the bobbin while you wind new thread onto it.  **5. Feed dogs** –component that holds the fabric tight against the presser foot as stitches are formed; to move back the fabric to the back of the machine.  **6. Foot Pedal** – the ‘gas pedal’ that controls how fast or slow the machine sews.  **7. Back Stitch Knob** – allows the machine to backstitch (sew backwards).  **8**. **Presser foot** – applies pressure on top of fabric. **9. Presser Foot Lever** – raises and lowers the presser foot. **10. Spool holder**–holds the top spool of thread. | |
| **INTRODUCTION** | | | | |
| **Bellwork/Beginning of Class Procedures:**  **Monday—Oct. 6, 2014-Review from Friday, match up 3 sewing tools with 3 definition cards & have your teacher check off your name that you did this. Tuesday-Oct. 7, 2014/Wednesday-Oct. 8, 2014 What is a bobbin used for? Thursday-Oct. 9, 2014-Why should we use safety techniques when we use the sewing machine? Friday-Oct. 10, 2014-Look on white board Mrs. Robles will write it there.**  **Purpose of today’s learning:**   * Say this: Do you remember the first time you had to write a 5-paragraph essay? Did you have much guidance? How successful were you without guidance? How did you do AFTER you learned the traits of effective writing? Somehow, writing that essay was easier to do when you knew the components. The same is true for sewing. We have already cut out our pieces, but we can’t really put them together until we understand how a sewing machine works, which includes knowing the sewing machine parts.   The teacher will state the objective: (The purpose of this lesson is to ensure that students can identify sewing machine parts in order to be able to construct, especially their first project - a letter pillow). | | | | |
| **CONTENT** | | | | |
| **TEACHER ACTIONS** | | | **STUDENT ACTIONS** | |
| 1. Teacher will let students take out their cubbies. This is a container located in the classroom where the students keep all their work.) | | | 1. Students will take out cubbies. Students will start following directions. | |
| 2. Teacher will direct students to open their laptops to the teachers learn site. To see bell work and complete it for that day. | | | 2. Students will complete bell work for that day. Student will follow further directions. | |
| 3. Teacher will direct student that on the Learn site there are 10 new terms. The students are to follow the directions to work with 5 of a total of 15 terms for each day this week. | | | 3. Students will complete writing 2 definitions, draw a picture with color for each term, and write a summary of all 5 terms. Students may use Cornell note form. | |
| 4.Teacher will demonstrate how the first 5 terms. The teacher will restate the name of the part or have a student state the name of the machine part. Then demonstrate how it works. | | | 4. Students will listen, and then touch the 5 machine parts to identify the location of it on the machine. Students will repeat what the machine part does. | |
| 5.With students located at the sewing lab sewing machines, teacher will tell the students to work with a partner and ask each other questions about sewing machine parts (Drill) Ask for Thumbs Up-Thumbs Down to indicate understanding of the requirements  6.Teacher will hand the bobbin to the students and have the students fill the bobbin with thread. After the teacher demonstrates how to do this procedure. The teacher will show the right way and the wrong way. | | | 5. All students respond appropriately with Thumbs Up or Thumbs Down.  6. Students will fill a bobbin with thread to get it ready to construct a project. | |
| **CLOSURE** | | | | |
| Before leaving the classroom today, please write your name on the back side of a Post-It note (sticky side) for anonymity. On the front side of the Post-It note, write the names of 3 sewing machine parts. Stuents will continue investigating up to 15 machine parts the their purpose through out this week. Because of fall break we will continue next week too. | | | | |
| **AVID WICOR STRATEGIES UTILIZED** | | | | |
| Review repeat, definitions, picture with color, summary, thumbs up and thumbs down. | | | | |
| **SAMPLE END OF UNIT ASSESSMENT QUESTIONS** | | | | |
| 1. Which of the following parts is responsible for advancing the fabric through the machine as you sew?    1. Presser foot    2. Take-up reel    3. Bobbin winder    4. Feed dogs 2. What is the purpose of the Spool Holder?    1. controls the tightness of the upper thread    2. holds the bobbin while you wind new thread onto it    3. holds the fabric against the throat plate during sewing    4. holds the top spool of thread | | | | |
| **RESOURCES** | | | **ACCOMMODATIONS** | |
| Westfall, M. G. (2008). *Successful Sewing.*  Goodheart-Willcox Company, Inc.  Zieman, N. (1998). *Essential Sewing Guide.*  Birmingham: Oxmoor Hourse, Inc., and Leisure Arts, Inc.  <http://ecmachine.org/files/2009/09/Sewing-Machine-2.jpg>, retrieved Jun 27, 2010  <http://www.stacksandstacks.com/images/product/reg-127196.jpg>, retrieved Jun 27, 2010  <http://www.sewingmachines.net/disney_ult2002d_large.jpg>, retrieved Jun 27, 2010  <http://www.causey-auctions.com/auctions2008/campbell/Commercial-Sewing-Machine.jpg>, retrieved Jun 27, 2010  <http://www.vdta.com/Magazines/JUL08/IMAGEPulkerp1302-16-345.jpg>, retrieved Jun 27, 2010  <http://www.vdta.com/Magazines/JUL08/IMAGEPulkerp1302-16-345.jpg>, retrieved Jun 27, 2010 | | | Teachers:   1. Based on review of each student’s IEP or 504 plan make appropriate accommodations. 2. Encourage participation from all students to the best of their ability. 3. Calling on “non-volunteers” may not be appropriate for all students. | |
| **ATTACHMENTS** | | | | |
| **none** | | | | |
| **MATERIALS**  **SUPPLIES** | | Learn site working  Paper pencil or pen.  Color pencils  Bobbins and thread | |

