

**PENANG SANGAM HIGH SCHOOL
P.O.BOX 44, RAKIRAKI
LESSON NOTES
BATCH 7- WEEK 19 -21**

Subject: Home Economics

Year/Level: 12

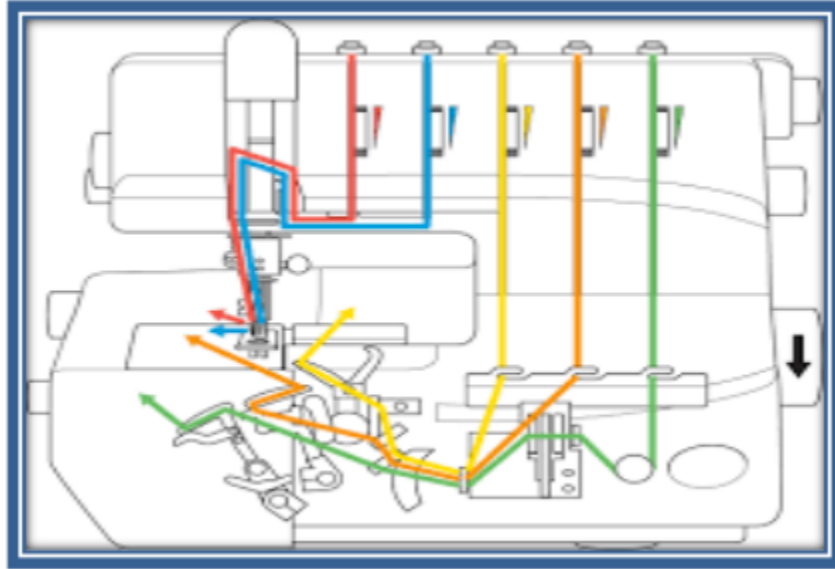
Strand	Clothing & Textiles
Sub Strand	Equipment
Content Learning Outcome	<ol style="list-style-type: none">1. Show proficiency in operating a sewing machine.2. Thread and operate an over locker sewing machine.3. Organize excursions for industrial equipment and tools used.

Over locker



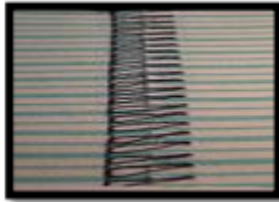
- The over locker, is also called a serger.
- An over lock is a kind of stitch that sews over the edge of one or two pieces of cloth for edging.
- Usually an over locker sewing machine will cut the edges of the cloth as they are fed through.
- The inclusion of automated cutters allows over locker machines to create finished seams easily and quickly.
- Over lock stitches are extremely versatile, as they can be used for decoration, reinforcement, or construction.

Operations

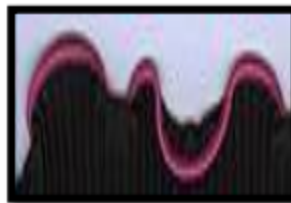


TYPES OF OVERLOCK STITCHES

- Over lock stitches are classified in a number of ways.
 - The most basic classification is by the number of threads used in the stitch. The industrial over lock machines are generally made in 1, 2, 3, 4, or 5 thread formations.
 - Each of these formations has unique uses and benefits.
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1. 1- thread: End - to –end seaming.



2. 2- thread: Edging and seaming, especially on knits and woven, finishing seam edges, stitching flat lock seams, stitching elastic and lace to lingerie, and hemming. This is the most common type of over lock stitch.



3. 3- thread: Sewing pin tucks, creating narrow rolled hems, finishing fabrics edges, decorative edging.







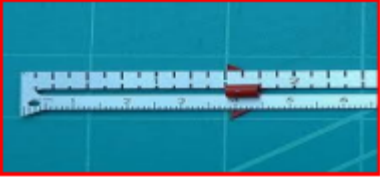
4. 4-thread: decorative edging and finishing, seaming high-stress areas, mock safety stitches which create extra strength while retaining flexibility.



5. 5- thread: in apparel manufacturing, safety stitches utilizing 2 needles to create a very strong seam. For every 1 cm of seam length you would require 20cm of thread to sew



Industrial Tools

Name	Use
<p>Industrial cutter</p> 	<p>Uses a pattern and cuts out the pieces of fabric to be made into clothing or other items. It cuts as many as 150 layers of fabric at once.</p>
<p>Electronic sewing machine</p> 	<p>Sews clothes of different types of fabric. Has a push button to change the needle position.</p>
<p>Body scanner</p>	<p>It scans the body figure type to design.</p>

	
<p>Steam iron</p> 	<p>Give your clothes a professionally pressed look and feel from the comfort of your home</p>
<p>Sewing gauge</p> 	<p>It is a small metal or plastic ruler with a movable indicator that can be set at a desired measurement. It is ideal for hems, scallops, pleats and button spacing</p>

Activity

1. Define over locker.
2. State two types of overlock stitches.
3. Complete the table.

Name	Use
Industrial cutter 	
	Sews clothes of different types of fabric. Has a push button to change the needle position.
Body scanner 