



3055 BA SANGAM COLLEGE

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WORKSHEET 13

School: Ba Sangam College

Name: _____

Subject: Home Economics





Year 11

Strand	CLOTHING & TEXTILES
Sub Strand	HEC 11.3.4 SEWING EQUIPMENT
Content Learning Outcome	HEC 11.3.4.1 Demonstrate competency in safe use and operation for sewing production.

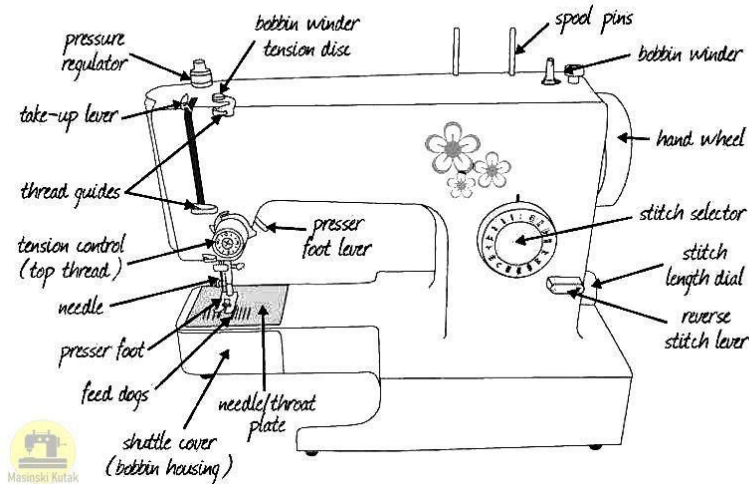
EQUIPMENT

Sewing Machine is a machine used to sew fabric and other materials together with thread.

TYPES OF SEWING MACHINES

Hand sewing machine	Electric machine	Treadle machine	Overlocker
			

Anatomy of Sewing Machine



PARTS	FUNCTION
Spool pin	It is fitted on top of the arm to hold the reel.
Thread guide	It holds the thread in position from the spool to the needle.
Tension disc	The two concave discs put together with the convex sides facing each other. The thread passes between the two. The tension of the thread is adjusted by a spring and nut which increases or decreases pressure
Take up lever	It's up and down motion feeds the thread to the needle and tightens the loop formed by the shuttle.
Needle bar	This is a steel rod to hold the needle at one end with the help of a clamp. Its main function is to give motion to the needle.
Bobbin case	This moves into position to catch the top thread and form the stitch as the needle is lowered into the bobbin chamber.
Presser foot	It is fixed to the presser bar to hold the cloth firmly in position when lowered.
Presser foot lifter	A lever attached to the presser bar for raising and lowering the presser foot.
Stitch regulator	This controls the length of the stitch
Bobbin winder	A simple mechanism used for winding thread on the bobbin.
Fly Wheel	When this is made to revolve, it works the mechanism of the motion
Clutch or Thumb Screw	This is in the centre of the fly wheel and it engages and disengages the stitching mechanism
Slide Plate	A rectangular plate, which facilitates the removal of the bobbin case without lifting the machine.
Needle Plate or Throat Plate	A semi-circular disc with a hole to allow the needle to pass through it
Feed dog	This consists of a set of teeth fitted below the needle plate. It helps to move the cloth forward while sewing.
Face plate	A cover which on removal gives access to the oiling points on the needle bar, presser bar and take-up lever.
Spool pin for bobbin winding	Spool of thread is placed on this at the time of bobbin winding.

ACTIVITY

1. State the purpose of an overlocker. **(1 mark)**

2. Identify the 4 types of sewing machines. **(2 marks)**

a. _____ b. _____ c. _____ d. _____

3. State the function of the following: **(3 marks)**

a. Clutch - _____

b. Throat plate- _____

c. Stitch regulator- _____
