Sewing Machine Workshop
At BeAM Makerspaces
Safety Concerns

- Make sure the area surrounding the machine is clear.
- Stay with the sewing machine the entire time it is on.
- Use materials only approved by BeAM staff.
- Keep hands at safe distance from sewing machine’s foot.
PARTS OF A SEWING MACHINE
Janome School Mate and HD-3000
Parts of the Sewing Machine

Presser Foot and Needle

Bobbin Case
Parts of a Sewing Machine

- Zigzag Width Selector
- Stitch Length Selector
- Stitch Selector
- Reverse Stitch Lever
Parts of a Sewing Machine

- Balance/Hand Wheel
- Stitch Selector
- Power Switch

School Mate HD-3000
Parts of a Sewing Machine

- Pressure Dial
- Tension Dial
- Spool Holder
- Bobbin Winder
- Lid
Parts of the Sewing Machine

Presser foot lifter

Presser Foot
The Bobbin

The sewing machine pulls thread from the spool and the bobbin.
SET UP
Video Explanations

Continue to the next slide if you’d prefer text/pictures.

Winding the Bobbin: https://youtu.be/zLXRYEnpZag
Inserting the Bobbin: https://youtu.be/2cmHqL5vsp0
Top Threading the Machine: https://youtu.be/fbC8UrhsWYyU
Sewing Tips: https://youtu.be/kfxI-puVSYs
Getting Set Up: Winding the Bobbin

Take the thread from the spool, wind it around the knobs in a clockwise motion, then send the thread through the bobbin from the inside of the spool to the outside.
Getting Set Up: Winding the Bobbin

Place the bobbin on the holder and push both to the right.

Wind the spool with as much thread as you need, then push the bobbin and holder back to the left.
Getting Set up: Inserting the Bobbin

Place the bobbin into the needle plate with the thread hanging down the left side (making a letter P).
Getting Set up: Inserting the Bobbin

Place the bobbin into the needle plate.

Thread the bobbin's material through the notch.

Pull the thread through the channel.
Getting Set Up: Threading the Machine

Put thread on the spool holder

Take the thread from the spool and wrap it around the knob
Getting Set Up: Threading the Machine

Bring the thread down the channel and make a U-Turn

Pull the thread through the metal latch and run back down to the needle.
Getting Set Up: Threading the Machine

Feed the thread through the metal latch above the needle, and then thread the needle.
Getting Set Up: Drawing up the Bobbin
Getting Set Up: Drawing up the Bobbin

Hold the thread coming from the spool to keep tension.

Once you see a loop from the bobbin and the spool's thread going through the loop, use either the needle plate cover or a similar shaped object to pull both threads away from yourself – through the back of the needle plate area.
USE
Starting to Sew

• The Foot must be down before sewing.
• At the start and finish of your stitch, reverse the sewing path to stitch over top of what you've run. This “knots” your stitching.
Changing Directions

Ensure the needle is DOWN in the fabric.

Raise the foot, so it is not holding the fabric down

Turn the material to the direction you next want to go

Re-press the foot to secure the material and continue sewing.