Sewing Machine Parts and Functions

FID 1
Basic Setup

**Machine** - whole piece of equipment

**Pedal** - used to make the stitches, works just like the pedal of the car
Basic Setup- Threads

**Top thread**- straight off of the spool bought at a store, loops through the top of the machine

**Bobbin**- bottom thread that is made using the spool bought at the store, loops through the bottom of the machine

https://www.youtube.com/watch?v=CNvGFV1c4x0  https://www.youtube.com/watch?v=ML8CMNzW6Tg
Horizontal Spool Pin

Where spool of thread sits on top of the machine
Handle

What you hold to transport the whole machine

*Always use when Moving the machine
Presser Foot Pressure Adjustment

Controls the amount of pressure the presser foot places against the feed system

*You will never adjust
Needle Thread Tension Dail

Lets you set the tension of your particular project.

Your fabric, stitch, and thread will determine the tension setting you need.
Take-up lever

Controls the flow of needle thread

It must be at its highest position each time you start to sew.

If it is not, the thread will be pulled up and away from the needle as the lever rises, and you will have to thread the needle again.
Reverse Lever

Lets you backstitch

*Always used at the start and stop of any permanent stitch to hold stitch in place, equivalent of tying off a stitch when hand sewing*
Face Plate

Swings open for access to movable parts and light
Thread Cutter

On the back of the presser bar for convenience
Presser Foot

Holds fabric against feed system teeth
Feed System (aka Feed Dogs)

Moves fabric under the presser foot
Needle Plate

Has guidelines to help you sew straight, even seams. It also supports the fabric during sewing.
Bobbin Place Cover/Slide Plate

Covers the bobbin and bobbin case
Sewing table and accessory box

Front box that can hold supplies
Bobbin winder

Guides the thread when filling the bobbin with thread
Stitch length dial

Regulates the length of the stitches
Stitch width dial

Controls the width of zig-zag stitching. It also positions the needle for straight stitching.
Pattern indicator dial

Show which pattern is being used

*Not on our machines
Hole for second spool pin

Can hold an extra spool if needed

*not on our machine
Hand wheel

Controls movement of the take-up lever and needle. It turns as the machine runs. You can move the needle up and down by turning the wheel toward you with your hand.
Pattern selector dial

Selects pattern of stitch
Power and light switch

Turns on machine and sewing light at one time
Main plug and socket

Where you plug pedal into the machine and wall
Thread guide

Lead the thread to the needle, listed in order
Presser foot lifter

Allows you to raise and lower the presser foot
Needle clamp

Holds the needle in place
Drop feed control

Allows you to lower the feed dog if you do not want the fabric to move
Top Threading

https://www.youtube.com/watch?v=YP87hPNwqJw

Close up:

https://www.youtube.com/watch?v=8cCJ_ckMaeQ

Bobbin (bottom) Threading

https://www.youtube.com/watch?v=YO2VjIVGA-E