

Maker Challenge

Art & Crafts: **Machine Sewing**

Demonstrate knowledge of these basics.

- Identify the parts of the sewing machine.
- Thread a bobbin.
- Thread the sewing machine.
- Make the following stitches using the sewing machine:
Instructions here: <https://www.thesprucecrafts.com/sewing-machine-stitches-4023693>
 - Straight stitch
 - Basting / Gathering Stitch
 - Zigzag Stitch
 - Buttonhole Stitch
 - Backstitch
- Learn how to use & cut a simple pattern
- Create one of the following:
 - a. Cord Keeper w/ velcro or button
<https://tarareed.com/cord-keeper-tutorial/>
 - b. Fabric Facemask
<https://www.diaryofaquilter.com/2020/07/how-to-make-a-quick-and-easy-diy-fabric-face-mask.html>
 - c. T-shirt pillowcase
<https://www.instructables.com/How-to-Make-a-T-shirt-Pillowcase/>
 - d. Fabric bookmark
<https://crazylittleprojects.com/bookmarktutorial/>

Resources

Books at NPL about Sewing:

See booklist attached

Kits available:

Basic Sewing Tools	(NPL STEAM2Go Kit)
Sewing machine	(MAKER REF / In Library use only)
Iron	(MAKER REF/ In library use only)
Fabric cutting mats & large rulers	(MAKER REF / In library use only)

You may need to find your own fabric for the projects. You may call the library to request a “take & make kit” for Machine sewing, but supplies are limited.

Links for using a Sewing Machine & Basic Stitches

Sewing straight lines <https://www.thesprucecrafts.com/sewing-straight-lines-tips-and-tricks-2977525>

Troubleshooting <https://www.thesprucecrafts.com/sewing-machine-troubleshooting-2978277>

Finished the Challenge?

Return the Sewing Kit to the library. Congratulations! You have completed this Maker Challenge.

Remember to fill out the [Challenge Completed Form](#) to enter the monthly Maker prize drawing and to track your progress through the challenges.