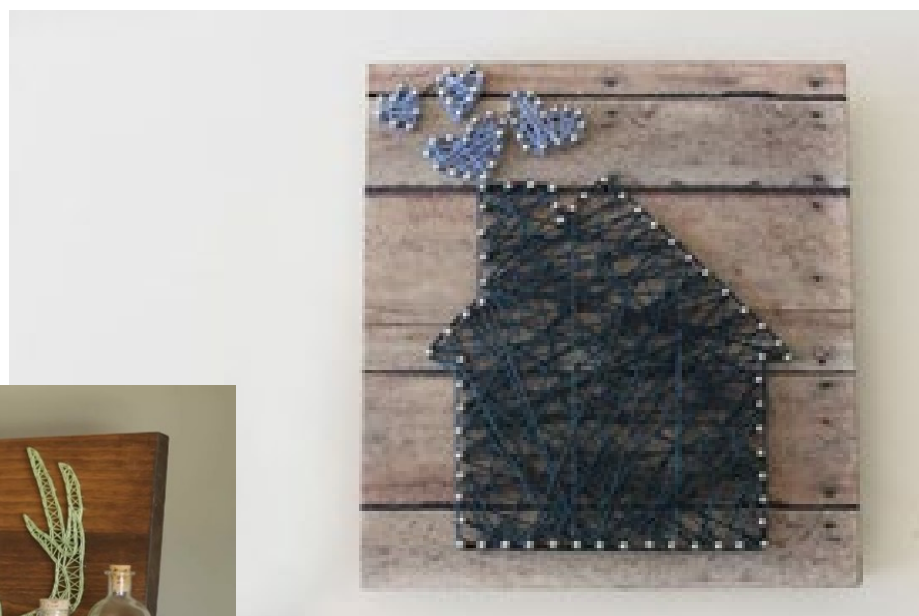




Comox Valley Schools
A Community of Learners
INNOVATIVE • INQUISITIVE • INCLUSIVE

String Art



Jr. ADST

String Art is a great ADST project for students in grades 4/5. The first thing that you will need to do as a teacher, is get trained in using your school Maker Cart/Toolbox. Once you are Safe and Certified you will need to do an inventory on your ADST Toolbox kits (there are 12 totes with hand tools for your school) and your Maker Cart. Each cart and your 12 kits have master lists of what should be in them. If you are not sure or if you will need additional resources, please contact your District Careers Coordinator and they will be able to help you, Dawn.Anderson@sd71.bc.ca or Steve.Claassen@sd71.bc.ca

Jr. ADST (Applied Design Skills and Technology)

ADST courses have been designed so that students can gain hands-on learning experiences and skills through design and creation. The Curricular Competencies within these courses ask students to understand context, define what they need to do, ideate with others and evaluate, prototype, test their ideas, make and share.

With this, these booklets have been designed to support new to experienced users and there are many ways to approach each step.

Feel free to challenge your students to come up with new ways to complete a step in the booklet. Some of the steps are challenging and should be completed with a partner.

Please share if you have a good approach to a step and we can tweak the booklet for all.

For this project you will need the following items:

1. Crochet String
2. Hammer
3. Nails
4. Safety Glasses
5. Wood (typically 8" x 11" ish)
6. Image for outline (advanced challenge to design without)



Once you have everything you are ready to start your project. Don't forget to put on your safety glasses.

Step 1:

Before you begin, gather your materials, and start sourcing an image to use as your pattern for the string art. You can either search the internet for simple shapes—like a house, for instance—or check around your home for illustrations to use as a pattern. Print out or photocopy the image and cut out its silhouette. * Look for image and patterns that have fairly simple outlines.

**Step 2:**

Next, position the pattern on the piece of wood and use tape to secure it temporarily.

With a hammer, lightly pound nails all the way around the paper pattern. Try to space them as evenly as possible and nail them to the same depth.

To prevent your fingers from getting hit with the hammer, pinch each nail in a clothespin and hold *that* instead of the nail itself. Once done remove the paper.



Step 3:

When the shape has been outlined completely with nails, remove the paper pattern. Using crochet thread, outline the perimeter of the shape. Begin by tying the thread to the first nail and leave a tail for tying off when you are finished. Make sure to use all six threads of the crochet thread. Using fewer will cause the strings to break when you pull it taut against the nails.



When you reach a corner or need to change the direction of the string, wrap the string tightly around that nail. This will keep things tight and help maintain the integrity of the shape.



Step 4:

Once you have outlined the shape with string, begin filling it in by crisscrossing and wrapping from nail to nail. There is no rhyme or reason to this process. Simply go from side to side; top to bottom and corner to corner, varying the lengths and order randomly. If you see that you're about to run out of string, try to end where you left a tail of string at the beginning. Knot the ends tightly and start another bundle of floss there as well. Repeat this process until the shape is filled into your liking, then tie off the end when finished. Clip the tails of thread. Now that you've finished, you can display your creation wherever you want in your home!

