

## Chapter 1 : 3 Easy Ways to Do String Art - wikiHow

*String Art. Showing top 8 worksheets in the category - String Art. Some of the worksheets displayed are String art mathematics an introduction to geometry, String art, String art fun, Envelopes and string art, Powerpoint presentation, Musical instruments, Dazzling, Sewing practice.*

According to the Agnes Scott College website, Mary Everest Boole, a British educator and author, invented this technique to enable children to comprehend the mathematics of angles and spaces. Using string, thread or floss, children can begin stitching angles and then graduate to more complex circles and triangles. Draw an angle, such as right, acute or obtuse, on the poster board. Make sure the arms are of equal length. Slide a carpet square under the board so you can prick holes into the board with the pins. Reverse the numbering on the other arm so that you end with the highest number on the vertex. Thread the needle and knot the end. Wind the string around 1 on the bottom arm, coming up to 1 on the other arm, then coming down to loop around 2 on the bottom arm and so forth. This basic advancing weave will result in a smooth Belzier curve.

**A Circle**  
Use a compass to draw a circle on a 6-inch-square poster board. Slide a carpet square under the board. Use a pin to make a hole at each mark on the circumference. Number the holes, starting with 1 at the topmost hole. Pull the thread through hole 1 and stitch across the circle to any other hole, such as hole 6. Move to the next hole, or hole 7. Stitch back to one hole from where you started, or hole 2. Move over one hole to hole 3, and then stitch over to hole 7. Repeat this procedure until you finish the circle. The succession of equal chords will forge a concentric circle within the drawn circle.

**Sciencing Video Vault Variation on a Circle**  
Create a circle burst as you grow more familiar with stitching techniques. Knot the thread around the center pin to start. Loop the thread around the topmost perimeter pin and then wrap it around the center pin. Wrap the thread clockwise around the second pin and return the stitch to the center pin. Continue until you have wrapped all of the pins along the perimeter. Push the string around the center nail down so that each new loop falls on top of the last.

**Icosihenagon**  
Gather push pins, foam board and spool of thread. Use a compass, ruler and pencil to draw 21 equidistant radial lines that form a ring on tracing paper. Place the design on the board. Mark and pin 21 points at the end of the lines, then pull the paper off. Knot the end of the thread around the top pin, which is zero on the count. Move clockwise to the next pin, or the first of ten steps in each round, and wrap the thread around the pin. Each time you wrap a pin, you have a new starting point. Count for 2 pins, and loop the thread around the end pin. Count for 3 pins and wrap the end pin. Repeat this procedure for the counts of 4 to Start the next step round from the pin you landed on in step 10 of the first round. Repeat all ten steps for each pin on the perimeter of the circle, or 21 times. Knot the thread on the final pin to complete a complex sided polygon, or the icosihenagon.

### Chapter 2 : How to Create Parabolic Curves Using Straight Lines Â« Math Craft :: WonderHowTo

*Today let's put aside the worksheets and try a fun way to help kids learn math: through art and design. A hands-on art project that incorporates mathematical concepts is great way to introduce kids to ideas like geometry and fractions. In today's project we'll be using string art to.*

Hallmark We sincerely hope that you have enjoyed these Family String Art and that among all these designs there is one that you really love and you want to DIY to decorate your home and to remember all the members of your family that are special and dear ones. In case you have any questions, comments or suggestions, please leave us a comment below and we will answer as soon as possible. How are you doing? As we have already told you several times in this blog, String Art can be made on different supports or surfaces. The most common is wood, but you can also make it on a wall, on cardboard or on canvas. First of all, it is easier and more comfortable to do, since you do not have to nail nails into wood, but into canvas fabric. In fact, if you want to, you can use very small nails or even pins or thumbtacks, as we will see in the images below. On the other hand, you can make very special String Art using personalised canvas so you can give an extra 3D sensation for the picture or to create an awesome background with the design or photo you wish. So we are going to see a few images of String Art made on canvas and you will see their particularities and differences respect to ones made on wood. As we have said, you can customize the canvas yourself or order a personalised canvas with a photo or a design on the Internet. In this case, they have made a modern graffiti background. In this other String Art the background is personalised with printed sentences in blue and stamps that complement the marine and travel essence of the piece. The canvas can be the size you want and the color you want. In this piece of work they have decided to personalise the canvas with black fabric and they have made a String Art of a simple star using red thread. Pay attention at this String Art because it is different from the rest. First, because they have chosen a printed and customized fabric for the background and, second, because the technique is different. The boat shape is made with thread or string, yes, but glued to the canvas fabric! In this case the background is not personalised but we want to show you that it is a String Art on canvas and that thumbtacks have been used instead of nails and the result is cool. Here you have a small and delicate dandelion String Art on canvas and the special thing about this technique is that pins are used and gives the feeling that it is an embroidery. Here we have a String Art with the name Cecilia. We think that it would have been a good idea to personalise the canvas with a photo of the person you are going to give the String Art as a gift. This map String Art on canvas is almost perfect, but imagine that the background has something to do with the most characteristic of the state, it would have added an extra touch. We hope that you have enjoyed these String Art on personalised canvas and that you use this technique in your next works to make them even more personal and special. Summer Fruits String Art: Watermelon, Strawberry, Pineapple, Lemon and more! Published July 12, By admin Summer is my favorite time of year when it comes to fruit. I love to refresh myself eating watermelon and other summer fruits, so today I decided to look for summer fruits String Art DIY to propose to you. In this way, we can decorate a room in our home in a fresh, colorful, fun and full of life way. I think this is the most refreshing design of all and it can look good in the kitchen, in the living room or even in a teenager bedroom. The design is simple and very colorful, so we recommend it as a summer String Art. Its vivid color makes it very attractive. Its shape is very original and its color is vibrant. We love this very worked design, full of details, it almost looks like a cross stitch. I could not live without lemonade in summer! It is another of the most summery and refreshing fruits. In addition, the yellow color reminds of the summer sun and it is a good option to make a design in this season of the year. As we can see, the shape is very simple, but the result looks great. You can use a light orange thread or a more vivid one. I hope that you have enjoyed these summer fruits String Arts and now you are fancy doing one of these designs. Have a good summer and see you soon! How are your String Arts doing? We are really sorry if we are not showing the state where you live in, maybe in the next posts, ask us for more! As you can see, it looks great with white threads on a dark wood background and a heart shape in the middle or pointing at your city or home town. It also has a blank with the shape of a heart in the middle. Even more if you design it using yellow or orange threads because

reminds the colour of the sun, this golden piece that all of us are searching for in Florida. If you do, please, write us. Firstly, because it is made using beige threads and, secondly, because the wood is painted with a stylish retro green. This is a sample of how well it can be to use orange threads on a dark wood background. Like all the previous ones, it also has a heart in the middle pointing out a special city or town for the person who makes the craft. The special thing on this piece is that the wooden background has a drawing of mountains and a moose, the typical landscape of this state. We hope you enjoyed these String Art States and that you are fancy making one with the map of your state, city or your town. Soon we will see another post with two state maps designs. In our previous posts, Mandala String Art, step by step, we have already seen how to make a Mandala String Art on a video tutorial. Today we are going to show us more impressive mandala String Art designs that can inspire you to create new shapes and crafts. First of all, we want to talk a little about the mandalas. In case you do not know, the mandalas are spiritual symbolic representations of the macrocosm and the microcosm, used in Buddhism and Hinduism. They are usually circular shapes that have a center from which perfect geometric shapes emerge. These pieces can be great to decorate a teashop, a religious articles store or a meditation room, due to the fact that mandalas help to relax and meditate, as we can see in the previous image. Then, we will see some stunning designs because of their shapes and the color of their threads. We start with this wonderful and complex mandala in orange and yellow tones. We can appreciate many geometric shapes within the circle. You can buy it on Etsy.

### Chapter 3 : String Art Worksheets - Printable Worksheets

*Print out patterns for making your own string art pictures!. Use a ruler or any straight edge and colored pencils or markers to connect the dots. (You can even transfer the patterns to wood, hammer nails into the dots, and wrap string or thread from nail to nail to make your designs.).*

White, yellow, purple, blue and pink strings. But we have searched for a similar one and we offer you this one by Tatiane Xavier. We have flipped it like a mirror to try to be more similar. Obviously, you can download this unicorn free pattern for free. Print it and use like a patter. First of all, you have to paint the wooden board in black or in a dark colour. This way, the unicorn shape will shine out and the colours of his hair will stand out. Then, you have to hold the pattern and hammer the nails following the unicorn shape and the most important lines, like his mouht, eyes, strips and hair waves. After that, you have to start filling with white threads the unicorn head. The last step is to make the blue eye. We hope that you have enjoyed this post with the template and instructions to make an unicorn String Art. If so, please, share it on your social networks. We heard through the grapevine that maybe we have to wait 2 years until the season 8 comes, so€ hard times are coming! Martin where explains the complete history of House Targaryen. In this Strin Art made by BasementArtDesign we can see these two words and the dragon emblem of this house. You can elarn how to make it step by step thanks to this tutorial on Imgur. All the Seven Kingdoms in your home! Have you liked these Game of Thrones String Art? If so, make on and send us a picture or leave us a comment. Thanks for reading and have a nice waiting! Whatever, we enjoy very much going to the beach, having walks and see and smell the salty air. As usual, we see many boats and they inspire us to create new projects and write new posts like this one. You can download it free, as usual, and we think that this will be very useful for you. Monique Hansen has created this Boat String Art also using the template provided but she has decided to use a black wooden board and thre colourful threads: Pay attention to the seagulls because they look nice on this project. Have you enjoyed this post? If so, please, share it and comment your impressions. Published July 11, By admin One of the most amazing female artists and one of our favorites is the mexican Frida Kahlo. Her protraits are very famous and his physical appearance too, is for that reason that today we have thought about making some Frida Kahlo String Art and we have searched some ideas to inspire you. Here you have two templates that maybe they have used to create these artworks: We really love the purple hair and the pink pashmina. In this one, we have less distinctive traits but we are able to recognize her: Pay attention to the fact the flowers are real too. We hope that you have enjoyed these Frida Kahlo String Art and that know you are fancy making one similar. Its look is perfect for the summer.

### Chapter 4 : Make String Art | Activity | [blog.quintoapp.com](http://blog.quintoapp.com)

*35 DIY String Art Patterns Among all the forms of crafts you can work on with a bunch of string, the string art with some nails or a needle is the most popular. It is much easier than embroidery work, being more fun with interesting, unique outcomes.*

Once their design is punched through, they thread a sewing needle I take a pretty simple approach to this project. The students follow along with me I use a document camera as I number dots from 1 - 9 on a vertical "line" and then on a horizontal "line". Worksheet 1 Same process as what we practiced together now they try it on their own. Worksheet 2 I am working on some new worksheets for this Once they start connecting them they can see the design come to life. Below you will see two photos of a basic practice design. I require them to do this before they start the final string art project. These were made with tagboard. The holes were punched using the binding machine for punching holes for a spiral bound booklet in the library. Notice I also wrapped the tip of the yarn with masking tape so as to create a smooth "point" and avoid shredding. Now for the final project. I have about 15 designs for the kids to choose from. Each design is put up on the board with a number corresponding to the folder they can get it from and an example project. This has been the best solution so far for not losing needles and push pins. This was made with 2 cut pieces of foam sheets approx. Each one is labeled with a number using a sharpie, and each contains one push pin and one needle. Next step, select a background color. These are 6x6" pieces of different colored posterboard. The background piece is placed on a sheet of foam board, then the pattern on top. Now the push pin is used to puncture the pattern in to the background sheet. The foam sheet underneath helps to push the pin through and protect the table! After they have punctured the design in they get their thread and begin "sewing" in their design! Some students might benefit from numbering the dots, but even my lower level kids catch on pretty quickly. Tying a knot at the end of the thread will not work We end up using tape to secure it to the back. JoAnn Crafts is my resource for these. I buy other colors as well.

## Chapter 5 : My top 10 string art web sites | String Art Is My Craft

*Mar 24, String art is a fun way to explore geometry. Ideas, tutorials, and DIY for creating string art for all ages. | See more ideas about Homeschool math, Art curriculum and Christmas activities.*

It should look like you are making a coordinate plane to graph an equation. Draw a line from the farthest mark from the right angle on one line, to the closest mark to the right angle on the other line. Now connect the 2nd farthest mark to the 2nd closest mark. Continue connecting lines between the points as you step down one line and step up the other. The curve was pretty smooth looking with eight marks on each line, but can be made smoother by adding more marks. There are 32 in this picture. If you want the parabola to continue, you can extend the lines both beyond the right angle. If you want the parabola to continue getting steeper, you can extend the marks past the right angle and connect them up as shown below. Remember to count the right angle as a mark. Making Narrower or Wider Parabolas by Using Non-Right Angles If you want a narrower parabola, you can follow the process above, but use an angle less than 90 degrees. The angle below is 45 degrees. If you want a wider parabola, you can follow the process above, but use an angle greater than 90 degrees. The angle below is degrees. Creating Parabolic Sections Inside Polygons Since the process of creating parabolic sections can be done with any angle, you can use angles that make polygons and use the process on all of the sides. Using the process on regular polygons where all of the angles and sides are the same results in pleasing figures. I constructed a regular triangle below, but the process would work for any regular polygon. You could just find an image of a regular polygon using google image search and use that. Connect the sides of your regular polygon using lines as in the process above. After all three sides have been connected. The path that has been created by the straight lines actually follows the outline of a trefoil knot which was explored in a previous post on torus knots. Creating Star Figures from Parabolic Sections If you use the lines that connect up the center of a regular polygon to each of the sides, you get star figures made out of your parabolas. The image below used a pentagon, which has 5 central angles of 72 degrees. This reminds me of a three dimensional version I made out of pencils. There are an infinite number of ways to combine these parabolic sections to create interesting figures. I am not a very good artist, but here are a few pieces I have made, plus some ideas for creating your own. Embedding parabolic curves of smaller sizes can make an interesting self-similar fractal pattern. Combing the polygons or star figures into tilings regular tilings of the plane. This one uses star figures based off of the square. It is much easier to use a computer to do this. Note the strong connections between triangles, circles, and hexagons that you can see in the image below. There are tilings that use multiple polygons to tile the plane. I created a version of each figure by hand, and then copied them using Photoshop. You can use lines of different colors to create your parabolic sections. You can copy and overlay these sections using a program like Photoshop. Show Off Your Parabolic Artwork If you make any of these designs or any of your own, let us know by posting a picture or video up on the corkboard. Can anyone make them using other materials?

## Chapter 6 : 40 Insanely Creative String Art Projects

*String Art Mathematics Introducing GX and MI Page 2 of 10 Lesson 1: Constructing String Art Curves We begin with three points, A, B and C. At present.*

## Chapter 7 : string art at Math Cats

*String art multiplication (more mathematic string art at site) Find this Pin and more on Kid Crafts by Kate Holloway. An example of the question sheet with diagram filled in for teachers math multiplication.*

## Chapter 8 : Adventures of a Middle School Art Teacher: 7th Grade String Art

*Where Art, Math, and Learning Collide - Our String Art Kits include all materials and items needed to create 15 different designs totally 45 designs using each of our three kits: Circle, Hexagon, and Square geometric designs.*

### Chapter 9 : 35 DIY String Art Patterns | Guide Patterns

*Star Art Productions Sunday 19 August at pm. IN the 's I was taking a college course in teaching math. I discovered an ancient paper in the library on String Art.*