

Weaving Project

General Directions: Use this project in conjunction with the Textiles Testing project. This project should be used for the class as each station occurs. For example, while the Thermoplasticity test is awaiting drying, have the students work on this weaving project. In addition, this project can be completed on off days for each group of students. See Grouping Example and Weekly Schedule.

Objective: Use the Weaving Project to teach students about weaving of yarn and thread. In doing so, make sure students read what type of textiles are used.

Materials List:

- 2 Yarn Bundles of Any Yarn Textile per Student (should be on their supply list at the start of class)
- Scissors (should be supplied for students)
- Colored Paperclips (should be supplied for students)
- Shoebox, Bin, or Other Storage Device for Daily Use
- Assess to the Internet and a Technology Device on Which to Watch

Directions: Have students, working in their groups, learn how to weave yarn.

1. Have students work on the Weaving Project by watching the "DIY Arm Knitting - 30 Minute Infinity Scarf" video on YouTube. As they progress through the project, they may play and stop the video on your widescreen, Promethean board, iPad®, iPod®, laptop, desktop, or the like. Video: <https://www.youtube.com/watch?v=070qaUxEyp4>
2. To pause a scarf place the paperclips around the location in which the students' arms were in. Color-code them. For example, yellow is the left arm and purple is the right arm.
3. Use a separate bin to store your students' work to assure the yarn does not get tangled between students and days.

Grouping Example: In a 24-student classroom, see the grouping as follows.

Groups	Students
1	4
2	4
3	4
4	4
5	4
6	4

Weekly Schedule: Working with groups, follow the recommended schedule below.

Week 1:

Monday	Tuesday	Wednesday	Thursday	Friday
1. Formative Assessment: Weave a Roving Yarn (All Students)	1. Formative Assessment: Discussion (All Students)	Activity 2: Control Sample & Appearance Tests (All Groups)	1. Activity 2: Strength Test (Students in Groups 1, 3, and 6)	1. Activity 2: Absorption Test (Students in Groups 2, 4, and 5)
2. Introduction (All Students)	2. Explain the Weaving Project (All Students)		2. Weaving Project (Students in Groups 2, 4, and 5)	2. Weaving Project (Students in Groups 1, 3, and 6)

Week 2:

Monday	Tuesday	Wednesday	Thursday	Friday
1. Activity 2: Stain Resistance Test (Students in Groups 1, 3, and 6)	1. Activity 2: Heat Resistance Test (Students in Groups 2, 4, and 5)	1. Activity 2: Thermoplasticity Test (Students in Groups 1, 3, and 6)	1. Activity 2: Solubility Test (Students in Groups 2, 4, and 5)	1. Activity 2: Burn Test (Students in Groups 1, 3, and 6)
2. Weaving Project (Students in Groups 2, 4, and 5)	2. Weaving Project (Students in Groups 1, 3, and 6)	2. Weaving Project (Students in Groups 2, 4, and 5)	2. Weaving Project: Finalize Project (Students in Groups 1, 3, and 6)	2. Weaving Project: Finalize Project (Students in Groups 2, 4, and 5)

Week 3:

Monday	Tuesday	Wednesday	Thursday	Friday
Mystery Fabric (All Groups)	After Lesson Classroom-to- Community Connections (All Students)			

References: Kurtz, Audra. "DIY Arm Knitting - 30 Minute Infinity Scarf" *YouTube*. YouTube, 8 Sept. 2013. Web. 27 Apr. 2015.