

**NOTE:** Although this lesson plan is designed for 9th-12th grades, components and aspects can be modified to engage middle and elementary levels as well. In particular, more guided and teacher-provided research could assist younger audiences with this hands-on lesson.

## **The Use of Medicine in the Establishment of Early America**

### **A WV Medical Hands-On Lesson on Early Medical Advantages**

#### **Lesson Plan Essential Questions:**

What are fine motor skills and how did early nurses use paper weaving to help repair soldiers' fine motor skills? How do early medical advantages shape the way of modern medical therapy?

#### **Lesson Plan Objectives:**

Students will be able to...

- 1) Students will *describe* the practice of paper weaving as a method employed by nurses in early America to aid in fine motor skill rehabilitation.
- 2) Students will *brainstorm* the ways the nurses and medical personnel were resourceful and write a summary on their creation based on their research and brainstorming.
- 3) Students will *demonstrate* paper weaving by creating their own technique and taping their final designs on a plain piece of paper.
- 4) Students will be *evaluated* on their paper weaving performance by presenting their research into historical methods of rehabilitation therapy and how helpful these techniques have shaped modern medicine.

#### **Lesson Standards:**

- S.HAP.6

#### **Prior Knowledge Students Need to Have For This Lesson:**

- Students must know how to operate scissors and feel comfortable with basic arts and craft supplies.

#### **Materials Needed:**

- Scissors
- Construction paper in different colors
- Brainstorm sheet (included)
- Tape to tape on separate paper once weaving is done
- Glue

#### **Accommodations:**

- Place an aid or teachers assistant with students who need assistance.
- Provide pre-planned weaving techniques.
- Have pre-cut slices of paper for those who have trouble cutting.

#### **Resources:**

- <https://www.firstpalette.com/craft/paper-weaving.html>

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#### **Lesson Procedure:**

- 1) Introduce the lesson during a time when studying the body's motor skills with a small discussion of how important fine motor skills are. Display the essential question to the class so the students understand the end goal.
- 2) Students conduct a brainstorm and research session to gather information about nurses and medical professionals during the time and how resourceful they were.
- 3) Instruct the students to get 1 piece of paper for the base paper and however many colors they want for the strips they'll leave. Fold the base paper in half hamburger style. Cut evenly spaced slits in the folded paper starting from folded edge to the opened edge. Unfold the paper and prepare it for weaving. Then with the other colored pieces of paper, cut strips, it does not matter the width but it must be longer than the length of the main paper. Take one of your pre-cut strips and start weaving. When weaving strips make sure that each strip is started in an opposite pattern than the strip before. Once weaving is finished, flip the paper over so the back is facing upwards and apply glue at the end of the paper strips. Then fold it over the glued edges to glue them to the back of the paper, apply extra glue to secure the edges if needed. Once finished tape to plain paper and decorate if the students want!
- 4) Once finished, the students are to present their design to the teacher and what they found in their research. Ask each essential question to evaluate what was learned in the lesson.
- 5) The students will have to explain what muscles, joints, or nerves paper weaving strengthened in the soldiers' bodies along with 3 historical rehabilitation therapy methods that most likely helped shape our modern ways of medical therapy.

#### **Outcome and Assessment:**

- Outcome:
  - Students will be able to discuss how nurses were resourceful and helped to repair their patients in that time. Students will be able to show off their design and the historical rehab methods they found that shaped modern medical therapy today.
- Assessment:
  - Students will show their teacher the information and what they have learned. They will also tell the teacher how they could use this information for their future career in the healthcare field.

NAME:

DATE:

BRAINSTORM

RESEARCH