## Unit: Digital Photography with PhotoShop Elements

| Project: **Digital Mandala** | Level: 6, 7, 8 grade |
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| Objectives: | Procedures: |

**Objectives:**

- Student will use Photoshop to manipulate a photograph
- Students will learn proper use of networks to save and manage files.
- Students will learn to use Photoshop tools: Lasso tool, Move tool, copy and paste, layers and

**Materials & Preparation:**

- Digital images (see site for links) -
- Photoshop -
- color printer (try printing images on card stock or photo paper)

**Instructional Resources:**

Digital Mandala Artists http://www.abgoodwin. com/mandala/links/digital.html

http://www.princetonol.com/groups/iad/lessons/ middle/geomath.htm

**Vocabulary:**

Mandala, JPEG, Browse, Network, Edit, Copy, Layer

**Procedures:**

**Class time needed:** I spent 2-40 minute class periods on this project and 80% of the kids completed the project.

**BEFORE lesson:** Make sure to save a folder of copyright free images that the kids can access. Pick pictures that are bright in color and simple in pattern. Print out copies of the step-by-step directions. If working with MANY classes, print one class set and put in plastic page protectors for repeated use.

1. Share with students the meaning of Mandala.
2. Show images of a variety of art Mandalas.
3. On a projector demonstrate the entire process, have the students follow along with the handout.
4. Clearly describe the necessary steps for finding and saving files on your particular network with the "Browse for Files" feature in PhotoShop. If necessary create a handout or write on the board for kids to reference.
5. Have kids use the handout to work on their own to create and save at least one Mandala.

**Evaluation:**

Advanced students might layer multiple images on top of each other to create a more complex Mandala.

See Rubric