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| **Name:** Stefani Sumption |
| **Title: Oatmeal Box Pinhole Camera** |
| **Summary:** The students will go to the website given in the directions by the teacher. The students will look over the content of the website, get the materials needed, and then proceed to construct the camera explained on the website. The students will bring the camera they made to class the assigned day and together will develop the three pictures they took.  |
| **Learners:** 12th grade photography students |
| **Standards:** HSp.MA.Cr.1.1 Use a variety of methods to formulate multiple ideas, develop artistic goals, and problem solve in the media arts creation processes.HSp.MA.Pr.5.2 Develop and refine creative and adaptive abilities (such as risk taking, responsive use of failure, and resisting closure) through the media arts. |
| **Online Learning Resources:**Making oatmeal box pinhole cameras<http://users.rcn.com/stewoody/makecam.htm>Other Pinhole Camera sitesThe Penultimate Pinhole Page<http://neon.airtime.co.uk/pinhole/>**The Pinhole gallery**<http://www.pinhole.org/>**Pinhole Visions**[http://www.pinholevisions.org/](http://www.pinhole.com/)Pinhole Resource Pages<http://www.pinholeresource.com> |
| **Materials Used by the Teacher:** * 3 5x7 developing trays, developer, towels, fixer, sheet of plate glass, plastic photographic chemical bottles, white light
 | **Materials Used by the Students:*** 7-inch tall oatmeal box, aluminum soft drink can, scissors, black matte spray paint, dark contact paper, #16 bead threading needle, wood clothespin, household epoxy glue, Elmer’s white glue, Q-tips, manila file folder, electrical tape, light cardboard, light cardboard, ruler, x-acto knife, emery cloth
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| **Technologies Used by the Teacher:*** Laptop/computer
 | **Technologies Used by the Students:*** Laptop/computer
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| **Timeline of activities (Instructional Procedures):** * The teacher will assign the students to go to the provided website and make their own camera.
* The teacher will explain that the students will be making their own camera out of an oatmeal box.
* The teacher will hand out the rubric explaining how the project will be graded.
* The teacher will then explain that they will go to the website, <http://users.rcn.com/stewoody/makecam.htm>, and they will click on the blue tab “making cameras”. The students will gather the materials needed to make the camera.
* The students will begin making the camera explained in the instructions once they gather the materials.
* The students will continue making their pinhole camera on their own time. If the students have questions they can bring their camera to class and ask the teacher.
* The students will click next on each page of the website once they are ready to move onto the next instruction.
* The student’s will read every direction until the next buttons do not continue indicating the camera should be completed.
* The teacher will also instruct the students to then go to the home tab and find the blue tab that says “Links to other pinhole sites” and explore those for other references and ideas on creating the assignment.
* The students will complete their camera and take at least three pictures of any chosen subject to be developed during class.
* The students will bring the camera to class on the assigned day.
* The teacher will go over how to develop pictures with a dark room and then proceed to show and then help the students develop their three pictures.
* The teacher will answer any questions the students have.
* After the pictures are developed the teacher will display the cameras in a show box and hang the pictures in a hallway surrounding these in the school.
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