

<b>Instructor Name(s):</b>	<b>Photography Technology-Infused Lesson Plan</b>
<b>Lesson Title:</b>	Production Resources: Using Digital Photography to Identify and Classify
<b>Grade Level/ Subject Area:</b>	Social Studies – 6 <sup>th</sup> Grade
<b>Student Profile</b>	Number of Students: 9
	Number of Students with Special Needs: 9
	Area of Specialties: 2 Autistic, 3 Learning Disabled, 4 Other Health Impaired
<b>Performance Objectives:</b>	<p>Students will be able to:</p> <ul style="list-style-type: none"> <li>• identify/classify production resources.</li> <li>• take photographs using a digital camera effectively incorporating good composition.</li> <li>• upload pictures to their computer student drive and then edit photos.</li> <li>• create a PowerPoint presentation using their photographs.</li> <li>• present their photography project to the class.</li> </ul>
<b>Curricular Connections:</b> (IEP/Local or National Standards)	<p><a href="#"><u>T1 Creativity and Innovation</u></a> Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.</p> <p><a href="#"><u>T3 Research and Information Fluency</u></a> Students apply digital tools to gather, evaluate, and use information.</p> <p>Georgia Performance Standard: SS6E7. The student will describe factors that influence economic growth and examine their presence or absence in Europe. (This lesson will provide knowledge on natural, capital, and human resources, which is essential to understanding their relationship to this standard.)</p>
<b>Assessment:</b>	<p>Readiness Survey: This survey will be used prior to this lesson to assess students' ability levels using a digital camera.</p> <p>Pre/Post Test: The same instrument will be used prior to the lesson as a pretest and after the lesson as a posttest. Scores will be analyzed for growth and mastery of the concept.</p> <p>Rubric: A rubric will be provided to students to guide their photography lesson. This rubric will be the basis of their photography project assessment.</p>

	<p>Thumbs-Up, Thumbs-Down will be used during student presentations as a formative assessment.</p> <p>The Three Little Pigs Production Resource Chart: Students will complete the chart while watching the internet version of “The Three Little Pigs”. Answers will indicate understanding of the concept and will be used for remediation.</p>
<b>Technology Connections:</b>	<p>Technology equipment /programs used during this project will be:</p> <ul style="list-style-type: none"> <li>• digital cameras – these can be from home or the media center</li> <li>• computer/keyboard – used to upload pictures from camera, edit, and store</li> <li>• Picasa – editing software</li> <li>• PowerPoint (or other program) - to use for presentation of photos</li> <li>• LCD projector - to use with computer for presenting pictures to class</li> <li>• digital presenter – used to project single pictures to class</li> </ul>
<b>Materials:</b>	<p>Instructional Materials:</p> <ul style="list-style-type: none"> <li>• digital cameras</li> <li>• computer/keyboard</li> <li>• LCD projector</li> <li>• digital presenter</li> <li>• Internet version of “The Three Little Pigs”</li> <li>• Production Resources Chart</li> <li>• handout – “Helpful Websites for Digital Camera Use”</li> <li>• Readiness Survey</li> <li>• Rubric</li> <li>• Pre/Post Test</li> <li>• example of production resource pictures and collage</li> </ul>
<b>Related URLs:</b>	<p><b><u>Helpful Websites</u></b></p> <ol style="list-style-type: none"> <li>1. A Beginner’s Guide to Digital Photography: <a href="http://tlc.ousd.k12.ca.us/~acody/digi1.html">http://tlc.ousd.k12.ca.us/~acody/digi1.html</a></li> <li>2. Top 10 Tips for Great Pictures: <a href="http://www.kodak.com/eknec/PageQuerier.jhtml?pq-path=38/13915/39/317/10032&amp;pq-locale=en_US">http://www.kodak.com/eknec/PageQuerier.jhtml?pq-path=38/13915/39/317/10032&amp;pq-locale=en_US</a></li> <li>3. Downloading Pictures from Your Digital Camera: <a href="http://www.microsoft.com/windowsxp/using/digitalphotography/takeit/transfer.msp">http://www.microsoft.com/windowsxp/using/digitalphotography/takeit/transfer.msp</a></li> <li>4. 7 Tips for Shooting Great Digital Photos: <a href="http://www.basic-digital-photography.com/shooting-photos.html">http://www.basic-digital-photography.com/shooting-photos.html</a></li> <li>5. Taking Great Photos: <a href="http://www.dell.com/content/topics/topic.aspx/us/segments/dhs/media/photo/take_starts?c=us&amp;l=en&amp;cs=09">http://www.dell.com/content/topics/topic.aspx/us/segments/dhs/media/photo/take_starts?c=us&amp;l=en&amp;cs=09</a></li> </ol>

**Procedures:**

Due to the nature of the students' levels and abilities, a day-to-day plan is not practical. We will progress at the pace needed for all students to be successful.

- Students will complete a Digital Photography – Readiness Survey to assess their skill levels the day prior to the start of the lesson.

**Whole Group:**

1. The teacher will introduce the photography/production resources lesson and explain all components.
2. Students will take a Digital Photography Pretest to determine prior knowledge. The teacher will provide instruction on camera use, picture taking help, good picture composition, uploading pictures from the camera to the computer, and editing software.. She will show examples of a variety of pictures using different focus, light, angles, zoom, and color. She will also show an example of a picture collage created with Picasa editing software.
3. The teacher will distribute and explain the Production Resources – Digital Photography Rubric to the students.
4. Students will be given a Helpful Websites handout to use while researching digital photography on the computers.

**Small Group** (with teacher guidance):

5. Students will accompany teacher around the school with their digital cameras on a picture-taking excursion. They will take pictures of production resources they identify. They will not share this information with the other students at this time.
6. Students will use the computer to download their photos from their cameras to their student drive on the computer.
7. Students will then use editing software (Picasa) on the computer to prepare their photos for their presentation. They may also use the computer to prepare a presentation of their project in the format of their choice, such as PowerPoint, to share with other class members.
8. Students will present their photos to the class so that students can classify them into the categories of production resources (capital, human, natural).
9. When all presentations have been made, the teacher will discuss correct production categories of pictures and briefly meet individually with each presenter to discuss qualities of their pictures.
12. Students will view the internet version of The Three Little Pigs using the LCD projector. They will identify the different production resources used by each pig in the story and classify them on The Three Little Pigs Production Chart to demonstrate understanding.
13. Student will take the Digital Photography Posttest as evidence of growth and mastery of the concept.

**Classroom  
Management:**

**Technology Management:**

1. Students may take photos at home, if they have camera access. Class time will be allotted to take photos in and around the school using digital cameras from the media center.
2. Students will be monitored while using the computers and given assistance when needed.
3. Students will be provided use of the digital presenter, teacher laptop, and LCD projector for presentations. Teacher will help with necessary cable connections.

**Instructional Groups:**

1. Technology will be used to create all assessments, handouts, and word documents pertaining to the lesson. Student copies will all have a green (color coded) camera (symbol) in the heading for easy recognition by students.
2. Seating charts will be generated on the computer with the Pinnacle program for small group independent computer time. This will help in maximizing project production time.