

Technology – Connected Lesson Plan

Lesson Plan Number 3	
Lesson Title:	Google Earth + Skype Classroom
Grade Level/Subject Area:	Grade 3 Humanities
Class Size/Number of Students:	18
Performance Objectives:	<p>In this lesson, the students will gain and apply knowledge of life in their own community and compare specific aspects of it to life in other communities.</p> <p>The culminating activity will be a comparison of this information to the information they gathered about their own town (only one group will publish).</p> <p>The students will:</p> <ul style="list-style-type: none"> · Demonstrate map reading skills by being able to locate various places on Google Earth. · Construct place marks and paths to indicate important physical features of Australia and their Skype classrooms’. · Label place marks with factual information or photos. · Measure distances from one country’s border to another’s; i.e. the distance from the current classroom to their overseas classroom.
Curricular Connections:	<ul style="list-style-type: none"> · They examine stories, artefacts and other evidence from the past and present to learn about Australian society and its origins, such as the history of national symbols, including the flag, and key commemorations and celebrations; · Students investigate the physical characteristics of their local area; · They learn to use atlas maps and a globe <p>(VELS Level 3 – Grade 3/4)</p>
Previous Knowledge:	<p>The students have previously explored who is in their local community. They have previously had an introduction to Google Earth (creating place marks, paths, and using the ruler), the basics of Google Search where they found and marked their school on the map and a number of Australian landmarks.</p> <p>The students have taken a walk around their local community and taken digital photos of landmarks they consider important (police, rivers, hospital etc.).</p>
Technology Connections:	<p>Skype Classroom (and webcam)</p> <p>Google Earth (digital and interactive online map)</p>

Materials:	Photos from previous lesson Student log ins (Students Diaries) Teacher log ins
Related URLs:	http://earth.google.com (software previously installed) http://education.skype.com/ (software previously installed)
Procedures:	<p>INTRODUCTION: (Whole Group)</p> <p>The students watch as the teacher brings up Google Earth up on the interactive whiteboard. Review with the children creating place marks, paths, and using the ruler using the projector and main computer having the students explain or show the rest of the class how to do it.</p> <p>The teacher asks the students of landmarks in their community that the students found on their previous walk around the area. While the students do this, the teacher displays the photos.</p> <p>Allocate each student with a location and photo (photos printed out for each student to hold) which will be marked on the Skype classes map.</p> <p>BODY: (Individual work)</p> <p>Notes:</p> <ul style="list-style-type: none">· Have the software team (advanced students help with struggling students with marking landmarks if required).· Teacher from other school has been previously communicated with and understands what is required from the Skype call.· One group will present their locations via Skype (as will one group from the Skype classroom). <p>Each student is to mark the locations on their Google maps.</p> <p>The selected group for the day (“Tigers”) will be the communicators to the Skype class.</p> <p>Taking in turns each student holds up the photo of their landmark to the camera and introduces themselves to the Skype class.</p> <p>Then they give the address (written on the back of the photo/) to everyone (over webcam to the Skype class and the current class) where the students will mark the location on their Google Earth map.</p> <p>When the students of the Australian class have finished with their locations, it will be the Skype class’ turn to give a number of landmarks of importance to them.</p> <p>For the students who are advanced users and finish this task quickly, ask</p>

	<p>them to research images or photos of the Skype class locations for comparison in the next class.</p> <p>Sign off with the Skype class,</p> <p>Have the students save their Google Earth map for their comparison class in the next lesson.</p> <p>Have the group ("Giraffes") allocated for publishing to print their maps.</p> <p>CONCLUSION: (Whole Group/Reflection)</p> <p>Bring the whole class together and have the published group display their maps to the rest of the class, pointing out the new landmarks they placed.</p> <p>Ask questions to the students about what they think might be at the Skype class' locations and why they might think they are important</p>
Classroom Management:	<p><u>Technology Management Strategies:</u></p> <p>Train a team of software/hardware experts in the classroom (these are students who are advanced learners);</p> <p>Publish according to groups - not everyone publishes every project! (Select a group who will publish the information from the day);</p> <p>Demonstrate what students will be doing in the lab BEFORE going to the lab. This preparation time allows for more efficient use of the lab;</p> <p>And use the timer for the students to know how much time they have to give their instructions/address for the location.</p>
References	<p>Google 2011, <i>Google Earth</i>, retrieved 30 May 2011, <http://www.google.com/earth/index.html></p> <p>Skype Limited 2011, <i>Skype in the Classroom</i>, retrieved 16 May 2011, <http://education.skype.com/></p> <p>Victorian Curriculum and Assessment Authority 2009, <i>Victorian Essential Learning Standards Progression Points</i>, Victorian Government, retrieved 30 March 2011, <http://vels.vcaa.vic.edu.au/vels/level3.html></p>