

Lesson Plan: Create Custom Art Walk in Google Maps

Lesson Title: Map That Art!

Grades: 9-12

Communicative Objective/Standards	<p>Students will learn how to build a unique walking map in Google that allows anyone to access their features.</p> <p><u>Standards Addressed</u></p> <p>3. Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.</p> <p>4. Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context.</p> <p>7. Translate quantitative or technical information expressed in words in a text into visual form and translate information expressed visually or mathematically into words.</p> <p>10. By the end of the respective grade student is currently in, read and comprehend science/technical texts independently and proficiently.</p>
Anticipatory Set	<p>Hand out photocopied topographical maps of local area and ask students to create a walking tour with color coded elements. Add elements to include until the maps become impossible to decipher. Use this as a tool to demonstrate how difficult it is to create a multi-layered map that is easy to follow. Transition students' attention to a google map route already created.</p>
Input/Modeling/Presentation	<ul style="list-style-type: none">➔ Show video presentation of how to create a map in Google, link here: https://www.youtube.com/watch?v=TftFnot5uXw➔ Forward written instructions on creating a unique Google map to student's email. Use this link: http://www.google.com/earth/outreach/tutorials/custommaps.html
Check for Understanding	<ul style="list-style-type: none">➔ Walk around room to verify each student has been successful in creating their map. Refer to step by step instructions for answering any questions.➔ Ask students to share their map with another student in the room. Each student should respond with feedback and at least 1 suggestion for adding to or improving their map.
Guided Practice	<p>With the same partner that the students shared their map with, they should continue to collaborate and make their maps as engaging as possible.</p>

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Independent Practice/Evaluation	Students should go to specific sites along their map and take photographs. Add the photo's to their maps and using the "pin" feature, mark their maps with the new photo's.
Enhancing Transfer and Retention	Ask students to list ways in which this skill will prove beneficial beyond the classroom. Examples include: finding someone in a new city or on a hike, mapping a unique feature or site discovered on a trail, coordinate bike rides, or map routes that avoid construction zones, etc...
ELL Modification	Accommodations will include: Google translate, audio and, or video support in native language for additional support and tutoring on every facet of map project.