

CMaP Richfield 2017 PROJECT

Each participant who participated in the CMaP workshop signed an agreement to conduct a CMaP project and write up. This template is provided to you as a guide for the CMaP project you agreed to conduct with your students.

Please complete a detailed write-up of your CMaP project using this template. Use the kind of language and detail so other teachers can take your project to conduct in their classrooms. An archive of CMaP projects will be made available for Utah educators.

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or Email/share with jared@uen.org

Project Title: Living Atlas Comparison
Created by: Rebecca Taylor
Class: Geography

Project Description	Students will use arcgis to compare and analyze living conditions and other demographics. They will compare their hometown to that of another town in the United States.
Community Issue or Problem Selected -How project evolved?	This activity requires students to analyze data. Few of these high schoolers are aware of the world outside of their own little world. This requires them to use empathy and analytical skills.

Community Partner(s)	Student Body
Project Objectives	<p>The student will learn how and utilize cartography skills through a program such as ArcGIS.</p> <p>The student will learn how to analyze reliable sources.</p> <p>The student will learn how to compare and contrast.</p> <p>The students will use geographic reasoning to propose actions that mitigate or solve issues.</p> <p>The students will evaluate the impact of population distribution patterns at various scales by analyzing and comparing demographic characteristics and data.</p> <p>Students will select two map layers from Living Atlas</p>
Utah Core Standards/Objectives	<p>World Geography Standard 1.4</p> <p>World Geography Standard 2.1</p>
Essential Question(s) -Spatial Issue	<p>What issues affect human migration?</p> <p>What specific differences did the student observe from their hometown and their selected city in the United States?</p> <p>What factors might affect those differences?</p> <p>What effects might not be reflected in the data?</p> <p>Summarize the differences and the similarities between the two areas.</p>
Assessments (rubrics, scoring guides)	<p>Self reflection. How will did they understand the assignment?</p> <p>What did they do to self-advocate?</p> <p>Students will be assessed on how successfully they analyze the data and complete the assignment. They will be assessed on a group basis.</p>
Project Products	<p>The student will create and submit an ArcGIS map with layer with their home town and their selected contrast city marked.</p> <p>They will submit their analysis and comparisons.</p>

Project Timeline (include a step by step Procedures)	Teach ArcGIS mapping, layers, analysis of useful layers. Discuss objectives Discuss questions Allow students time to select layers with time for discussion amongst their peers. Allow time for students to analyze the data. Submit map and analysis.
Resources Needed	Chromebook Internet ArcGIS site
Skills Required	Basic computer navigation ArcGIS tutorial
Project Team Member Roles	Teacher(s): Provided training on ArcGIS. Guide questions, and layer analysis. Create analysis questions and guidelines. Feedback, support and assessment. Students: Learn how to utilize ArcGIS software. Select city to compare to their hometown using three layers from Esri Living Atlas. Compare and contrast data between the two points. Analyze the similarities and differences. Mark map, submit map and analysis. Partner(s): n/a
Celebration/Presentation	Share with classmates.

Project Evaluation	Project Not Completed as of this date Will assess and revise if needed after completed.
Project Bibliography	ArcGIS Living Atlas
Plans for Future CMAP Activities	Have students create story maps for events in history. Have students measure distances between their home and events in the news. etc...

Optional:

- Lesson Plans
- Student Artifacts
- Publicity