

CMaP Project

Project Title: F is for Farmington

Created by: Nancy Ruth Bittner

Class: UEN CMaP 2010

<p>Project Description:</p> <p>F is for Farmington: An Alphabet Book.</p>	<p>Students will identify various places in Farmington, Utah that start with each letter of the alphabet. Students will practice initial sounds of words and brainstorm different places in our city that start with each letter of the alphabet. Students and families will check out a class GPS unit and camera. Students will mark each location with a GPS unit, take a street level photograph, and create a piece of artwork based on the place. Data collected will be overlaid with the map Farmington City currently has on their website showing historical places. An interactive page for children will show locations satellite views, street views and descriptions and art work by students. A book version will be printed and distributed as a literacy project for the community.</p>
<p>Community Issue or Problem Selected -How project evolved?</p>	<p>In order to promote literacy in our community, copies of the finished alphabet book will be donated to the library, school library, city offices, local doctor and dentist offices, and area preschools.</p>
<p>Community Partner(s)</p>	<p>Farmington City, (New offices were just built next to our school.) Second Grade Partners help in writing text for the book. Families will help in taking photographs and taking GPS coordinates.</p>
<p>Project Objectives</p>	<p>Students will use geographical terms and tools. Students will use phonics and other strategies to decode and spell unfamiliar words while reading and writing.</p>
<p>Utah Core Standards/Objectives</p>	<p>Standard 3 (Geography): Students will use geographic terms and tools Objective 1 Identify geographic terms that describe their surroundings</p> <ul style="list-style-type: none"> a. Identify and describe physical features (e.g., mountain/hill, lake/ocean, river, road/highway). b. Make a simple map (e.g., home, home to school, classroom)

	<p>Objective 2 Describe the purpose of a map or globe</p> <ul style="list-style-type: none"> a. Identify maps and globes. b. Distinguish between land and water on maps and globes. c. Determine a location by using terms such as near/far, up/down, right/left. d. Identify cardinal directions on a map <p>Standard 4 Phonics and Spelling-Students use phonics and other strategies to decode and spell unfamiliar words while reading and writing</p> <p>Objective 1 Demonstrate an understanding of the relationship between letters and sounds</p> <ul style="list-style-type: none"> a. Name all upper- and lower-case letters of the alphabet in random order.
Essential Question(s) -Spatial Issue	What is my role and place in my community?
Assessments (rubrics, scoring guides)	For Standards and objectives Rubric score 1 – 3on report card. The finished book will be reviewed as evidence of completed objectives.
Project Products	A published alphabet book about our community, Farmington, Utah. An interactive page for children on the Farmington City webpage.
Project Timeline (include a step by step Procedures)	<p>August 2010</p> <ul style="list-style-type: none"> 1. Make contacts with Farmington City 2. Create signup sheet for GPS Checkout. 3. Introduce project to Kindergarten and Second grade students and parents. 4. Obtain parent permission to participate, including permission to photograph and film. 5. Identify places to collect data 6. Make Gingerbread Town. <p>September 2010</p> <ul style="list-style-type: none"> 1. Make handouts for using GPS unit

	<ol style="list-style-type: none"> 2. Make assignments 3. Demonstrate using the GPS 4. Check out GPS Units <p>October 2010</p> <ol style="list-style-type: none"> 1. Create text for the book with 2nd grade partners 2. 2nd grade class types text 3. Create art work based on photographs 4. Scan artwork 5. Collect data and share with Farmington City. <p>November 2010</p> <ol style="list-style-type: none"> 1. Teach unit on maps 2. Create student drawn maps of Farmington 3. Create maps for book in ArcMaps 4. Put together book layout 5. Send books to Publishers <p>December 2010</p> <ol style="list-style-type: none"> 1. Wait with anticipation. 2. Wait patiently <p>January 2010</p> <ol style="list-style-type: none"> 1. Plan celebration event with city 2. Prepare art work for exhibit 3. Prepare students for answering questions from parents, visitors and possibly media. 4. Make invitations and invite participants 5. Parent help with refreshments. 6. Celebration Event with book distribution and demonstration of new page on website.
Resources Needed	<p>Arc Map software Additional GPS Unit</p>
Skills Required	<p>Learn how to use GPS unit Learn basics of using digital camera. Learn basic map and map making skills</p>
Project Team Member Roles	<p>Teacher(s): Nancy Ruth Bittner – Help create maps. Put together book layout. Teach conceptual background and framework.</p> <p>Students: Mrs. Bittner’s Kindergarten and 2nd grade classes - collect data, write text, create artwork, make invitations, provide refreshments.</p> <p>Partner(s): Farmington City – prepare interactive maps for web publishing.</p> <p>Davis School District: Educational Tech Support, Software,</p>

	<p>and media contact.</p> <p>Mr. Smith – Parent and Centerville City GIS Specialist</p>
Celebration/Presentation	<p>January 2010</p> <ol style="list-style-type: none"> 1. Plan celebration event with city 2. Prepare art work for exhibit 3. Make invitations; invite participants, community and media. 4. Parent help with refreshments. 5. Celebration Event at the New City Hall - Open House with book distribution and demonstration of new page on website.
Project Evaluation	<p>Our Celebration will be the evaluation of the project.</p>
Project Bibliography	<p>ESRI- Virtual Classroom http://training.esri.com/acb2000/showdetl.cfm?DID=6&ProductID=915 State of Utah Geographic Database, (SGID) Books for Reading to Children <u>A Is For Arches: A Utah Alphabet</u>, Hall, Becky. Sleeping Bear Press, 2003. ISBN -15853-096-1 <u>Me on the Map</u>, Sweeney, Joan. Crown Publishers, 1996. ISBN 0517-88557-3</p>
Plans for Future CMAP Activities	<ul style="list-style-type: none"> • Map trees around school and chart changes in the trees for the seasons. • Create a Geocache at the City Hall or Woodland Park. • Create classroom interactive map with Interwrite board.