

## Project Venture Lesson Plan

**Name:** Jamie Theresa Phillips

**Quarter** This Plan: 10 days

**Title:** Ocean Study

**School/District:** Monte Vista/Creighton

**Grade level:** 1st

**Subject Area(s):** Science, Math,

**Time Frame:** Ocean Study - One

Language Arts

**Summary:** *Students will study the ocean focusing on the creatures of the ocean. Students will learn the names and qualities (fish or mammal) of sea creatures. They will also understand the components of the ocean (creatures, salt water, plants, sand). Students will demonstrate synthesis of their new ocean knowledge by creating a 4 page slide show of what they have learned about the ocean using KidPix.*

### **Standards:**

#### **Writing**

AZ 1.W.1 Student uses the components of prewriting as a part of the writing process.

PO 1 Generates topics/ideas

PO 3 Writes or draws pictures in a logical sequence as a plan for a narrative, creative story, or other communication.

AZ 1 W 6 Student publishes and shares final project.

#### **Math**

AZ 1M-F1 Represent and use numbers in equivalent forms through the use of physical models, drawings, word names and symbols.

PO 1 Students will make a model to represent a given whole number.

AZ 1M-F3 Understand the meaning for and application of the operations of addition, subtraction, multiplication and division.

PO 6 Students will apply mathematical operations in everyday situations.

AZ 1M-F4 Demonstrate proficiency with the operations of addition and subtraction of whole numbers.

PO 1 Students will demonstrate proficiency with basic facts.

#### **Technology**

1T-F2 Demonstrate functional operation of technology components

PO 1 Students will demonstrate correct ergonomic use of technology.

PO 2 Students will use multimedia resources.

PO 3 Students will access information sources.

1T-F3 Use developmentally appropriate technology resources to access information and communicate electronically.

PO 1 Students will operate keyboard and other common input and output devices.

PO 2 Students will retrieve and save information.

PO 3 Students will print documents, text or image

### **Objectives:**

At the end of the lesson the students will be able to:

1. Demonstrate knowledge by naming at least four facts about the ocean.
2. Demonstrate knowledge by making an ocean-themed picture using KidPix.
3. Demonstrate application by surveying a sample of their classmates about their favorite parts of the ocean (Ex: Do you like crabs or starfish? Do you like sand or water?).
4. Demonstrate synthesis by making a graphic representation of their survey information using either KidPix or The Graph Club.
5. Demonstrate application by completing a web plan of their KidPix slide show using four ocean facts.
6. Demonstrate synthesis by creating a four page slide show of what they learned about the ocean using KidPix.

### **Assessment:**

- ◇ Teacher evaluation of finished work
  - \* Kid Pix or Graph Club Ocean Graph
  - \* Kid Pix Slide Show
- ◇ Multimedia rubric
- ◇ Teacher evaluation of group presentation
- ◇ Teacher evaluation of participation

### **Pre-requisite Knowledge: .**

Students will need to know how to navigate on the computer using the mouse.

Students will need to know how to save their work to their folder on the server.

Students will need to be able to retrieve their work from their folder on the server.

Students will need to have knowledge of how to use word walls as tools for writing.

Students will need to know how to use picture dictionaries and other books as tools for writing.

Students will need to know how to take a survey and evaluate its results.

Students will need to know how to make a graphic representation of a survey.

### **Learning Environment:**

This unit is designed to allow for individual, small group, and whole group practice and instruction. The teacher provides a model for the students. The help of the teaching assistant, student interns, parents, and more experienced peers is utilized. Students of all levels are accommodated. Much of the time students work with a partner or a small group but time is also given for individual exploration and production. This unit will be introduced during Social Studies time to the whole group. Students will then have opportunities for paired and small group work during social studies and science time. Students spend between one and a half and two hours a day participating in learning centers focused on math and science. During the literacy cycle students will have opportunities for individual practice, exploration and production on the computers as well as paired and small group work. Throughout the unit, the teacher will use the presentation device for small group and whole group instruction and presentations of student work. Each day students spend about an hour using the computers in the classroom. Students also spend a half hour a week using the computers in the computer lab.

### **Procedures:**

#### **Day 1**

**Class Web of What we know about the ocean.** At the beginning of the unit, the teacher will read the book Under the Sea. Then, she will ask the students what they know about the ocean. Using the teacher computer and the presentation device, the teacher will enter in the students' ideas into an **Inspiration web**. The completed web will be printed for display in the classroom.

#### **Day 2**

The teacher will take the students on a **virtual field trip** to the ocean using the presentation system and the internet.

#### **Days 3 and 4**

Students will survey a sample of their fellow classmates on a question related to the ocean. Students will use **Kid Pix Studio Deluxe** or **The Graph Club** to create a graphic representation of their survey information during math time. Students will write a sentence explaining their graph. Students will record their sentence. The teacher will put these pictures into a slide show to be shown to the class and posted on the class web site.

#### **Days 1-5**

The teacher (or older student) will help students to publish their own story about the ocean using **AppleWorks**.

Students will use the information from their web to make their own four pages on **Kid Pix Studio Deluxe** that follows the pattern **In the ocean** .....

Students will save their four pages to their own folder on the file server.

Students will put their four pages together into a slide show with background music and transitions.

### **Days 6-10**

Students will work in groups and either a parent volunteer or an upper grade student to complete a **Web Quest**. The group will choose between:

- ***Animals on the Ocean Floor***  
(<http://education.nmsu.edu/webquest/wq/ocean/index.html>)
- ***Creatures of the Deep***  
(<http://www.esc20.net/etprojects/formats/webquests/misc99/creatures/Default.htm>),
- ***Ocean Discovery***  
(<http://www.esc20.net/etprojects/formats/webquests/spring2000/fisd3032k/kqwq/default.html>)
- ***Oceanography ABCBooks***  
(<http://www.esc20.net/etprojects/formats/webquests/spring2000/fisd3032k/kqwq/default.html>)  
or
- ***Oceans*** (<http://teach.fhu.edu/technology/EDU330/oceanskre.html>).

This will be the social studies activity for a week. Students will then present their final results to the class in an oral presentation (informal).

### **Day 10**

The teacher will lead the class in a brainstorming session about what they have discovered about the ocean. The teacher will record the students' answers on chart paper.

The students will use the class brainstorm information or other classroom tools to make their own web of four key ideas that they discovered about the ocean.

## **Tools and Resources:**

**Number of Computers:** 4 Student Computers (i mac), 1 Teacher Computer , Computer Lab (30+ i mac computers)

**Software:** Kid Pix Studio Deluxe, Inspiration, AppleWorks, Internet Explorer, The Graph Club

**Peripherals:** Presentation system

**Printed Materials:** books about the ocean from library

Under the Sea

The Rainbow Fish

Whales and Other Sea Mammals

Animals that Live in the Sea

How to Hide an Octopus

A House for Hermit Crab

Swimmy

Picture Word Book

## **Internet URLs:**

***Animals on the Ocean Floor***

(<http://education.nmsu.edu/webquest/wq/ocean/index.html>)

## **Modifications for Differentiated Instruction:**

### **Special Education:**

1. Students will work with a partner to make their own page on **Kid Pix Studio Deluxe** that follows the pattern **In the ocean I saw ....** for a class slide show to be shown using the presentation system and posted on the class web site.
2. Students will work with a partner will use **Ocean Web Quests** to explore and learn more about the ocean (2-3 days).
3. Students will work with a partner and use the **Picture Word Book** to make their own ocean picture dictionary for the ocean.

**Creatures of the Deep**

(<http://www.esc20.net/etprojects/formats/webquests/misc99/creatures/Default.htm>),

***Ocean Discovery***

(<http://www.esc20.net/etprojects/formats/webquests/spring2000/fisd3032k/kqwq/default.html>)

***OceanographyABCBooks***

(<http://www.esc20.net/etprojects/formats/webquests/spring2000/fisd3032k/kqwq/default.html>)

***Oceans***

(<http://teach.fhu.edu/technology/EDU330/oceanskre.html>)

### **Other:**

- ◇ Paper and pencil
- ◇ Crayons
- ◇ Markers
- ◇ Ocean flash cards
- ◇ Ocean posters
- ◇ Class charts
- ◇ Songs about the ocean

## ESL/BLE:

1. Students will work with a language partner to make their own page on **Kid Pix Studio Deluxe** that follows the pattern **In the ocean I saw ....** for a class slide show to be shown using the presentation system and posted on the class web site.
2. Students will use the **Picture Word Book** to make their own ocean picture dictionary for the ocean.

## Gifted:

1. During science time students will use **Sammy's Science House** to explore and learn more about the ocean (2-3 days).
2. Students to publish their own story about the ocean using **Easy Book**.
3. Students will make their own pages on **Kid Pix Studio Deluxe** with their own pattern for a slide show to be shown using the presentation system and posted on the class web site. \* Slide shows should be longer than 4 pages in length.\*
4. Students will explore the internet sites about the ocean for children.
5. Students will create a slide show using ocean math pictures and creating pages that show the solutions to the pictures.