

Project Big6™: Unit Planner

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School: Arlington Elementary School – Poynette School District

Grade Level & Subject Area(s): 3rd Grade

1. **Problem or Question (How will you engage students and set up the research task?):** A class of young aliens have taken a field trip to our solar system. They know nothing about the planets of our solar system. Your job is to learn all you can about a planet and present this information to the aliens.

2. **Correlation of Objectives, Standards, Products, Assessments:**

Objective(s): Students will use technology and media to create and present a research project. This will be accomplished in the Synthesis step.

Standards:

Information and Technology Literacy

A.4.5 Use media and technology to create and present information

Product(s): Students will create an informative eBook using PowerPoint

Assessments and Criteria: The classroom teacher use observation and discussion to assess. He/She will also review the students' assignment organizer and assess using the student-created rubric. Another class will also view the students' presentations and fill out a rubric.

Objective(s): Students will discover facts about a planet in the solar system. This will be accomplished in the Use of Information step.

Standards:

Science

B.4.1 Use encyclopedias, source books, texts, computers, teachers, parents, other adults, journals, popular press, and various other sources, to help answer science-related questions and plan investigations

Product(s): Students will make An eBook story created in PowerPoint.

Assessments and Criteria: The classroom teacher use observation and discussion to assess. He/She will also review the students' assignment organizer, PowerPoint template, and assess using the student-created rubric. Students from another class will also view the students' presentations and fill out a rubric.

Objective(s): Students will explore different solar system websites to learn facts about a planet.

Standards:

Information and Technology Literacy

B.4.3 Locate and access information sources

Product(s): Students will make an eBook story created in PowerPoint with the facts they have discovered.

Assessments and Criteria: The classroom teacher will use observation and discussion to assess. He/She will also review the students' assignment organizer, PowerPoint template, and assess using the student created rubric. Another class will also view the students' presentations and fill out a rubric.

3. Unit Design & Process:

1. DAY 1 – Task Definition (What needs to be done?)
 1. Facilitate a discussion the start of our new unit on the solar system.
 2. Introduce Messy Question: "A class of young aliens have taken a field trip to our solar system. They know nothing about the planets of our solar system. Your job is to learn all you can about a planet and present this information to the aliens."
 3. The class will fill in #1 in the assignment organizer. (See word document: Assignment Organizer)
 4. Q & A about project

2. Day 2 - Information Seeking Strategies (What resources can I use?)
 1. As a whole class activity we will create a KWLH on chart paper about planets. (What do we KNOW? What we WANT to know? HOW can we find this information? What did we LEARN?) The "L" section will be left blank.
 2. We will discuss what questions in the "Want" section will help us find our needed information.
 3. To help get the students start about thinking about how to integrate facts into a story I will share some fiction stories that include facts such as; "The Magic Tree House" series and "Magic School Bus" series.
 4. The class will fill in #2 in the assignment organizer.

3. DAY 3 – Location & Access (Where can I find these resources?)
 1. We will go back to the "H" part of our KWLH chart and discuss the resources that the class suggested.
 2. We will go into the computer lab. I will demonstrate how to access the "Planet Hotlist" and allow them to have some time to practice getting to the planet websites.
 3. We will create a rubric by using Rubistar. (See word document: eBook Rubric)
 4. The class will fill in #3 in the assignment organizer.

4. DAY 4 and 5 – Use of Information (What can I use from these resources?)
 1. Students will chose their planet that they are going to research.

2. I will hand out the PowerPoint design template. This template will have the guidelines of what will need to be in their presentation.
 3. They will be given time to explore the websites, record the needed information about their planet, and fill in their template.
 4. The class will fill in #4 in the assignment organizer.
5. DAY 6 and 7 – Synthesis (What can I make to finish the job?)
1. Anna Niemeyer will assist with introducing the concept of eBooks and showing some examples.
 2. We will review how to use Power Point, insert text, new slide, insert clipart and photos.
 3. The class will use their templates to create a PowerPoint eBook.
 4. The class will fill in #5 in the assignment organizer.
6. DAY 8 – Evaluation (How will I know I did my job well?)
1. The students will go back and fill in the “L” section of their KWHL chart. They will write about what they learned.
 2. Then students will present their PowerPoint presentations to the first grade class. This class will fill out a rubric to evaluate the presentations. (See word document: Cupcake Rubric)
 3. The class will fill in #6 in the assignment organizer.
 4. I will fill out a rubric for each presentation.

4. Management:

To help manage this project I will have Anna Niemeyer and Robin McNicol assist in the computer lab. If students finish early I will make them my “PowerPoint” experts and they can help other classmates if they need assistance. To make sure the computers run smoothly I will send a few students ahead of time to log on.

5. Assistive Technology & Learning Style Modifications:

Robin McNicol, the library aide, will be able to help my students with special needs. My gifted students will be able to also help assist if they finish early.

6. Comments & Additional Information:

- The websites the students will find their information from (See word document: Planet Websites):

Kids Astronomy

http://www.kidsastronomy.com/solar_system.htm

NASA Solar System Exploration

<http://solarsystem.nasa.gov/kids/index.cfm>

The Nine Planets Just for Kids

<http://kids.nineplanets.org>

The Planets

<http://www.frontiernet.net/~kidpower/planets.html>

- I will collaborate with Anna Niemeyer, the technology integration specialist, and Robin McNicol, the library aide. They both will help support me and my students as we work on the project.

Name _____

Date _____

#1-5 will be filled out before you begin to work on your project.



Big6 #1: Task Definition

What am I supposed to do?

What information do I need in order to do this?

1. _____
2. _____
3. _____
4. _____
5. _____

Big6 #2: Information Seeking Strategies



What are the best sources I can use to find this information?

1. _____
2. _____
3. _____
4. _____

If using websites, how will I know that they are good enough for my project?

- I will use only those evaluated by and provided by my teachers.
- I will ask my librarian, teacher, or parent for help in finding good websites for my project.

Big6 #3: Location & Access

Where will I find these sources?

- school library
- public library
- personal library
- provided by my teacher
- Internet
- other: _____



Who can help me find what I need?

- I can find the resources myself
- Mrs. McNicol
- Ms. Finley
- Ms. Niemeyer
- my parent(s)

Big6 #4: Use of Information

How will I record the information that I find?

- take notes on the blank PowerPoint template
- take notes on PowerPoint notes template
- other _____



How will I give credit to my sources?

- use the guide given to me by my teacher

Big6 #5: Synthesis

How will I show my results?

- create a multimedia presentation by creating an eBook using PowerPoint

How will I give credit to my sources of facts and clipart in my eBook?

- include a bibliography page at the end of my eBook

Materials I will need for my presentation:

_____	_____
_____	_____
_____	_____

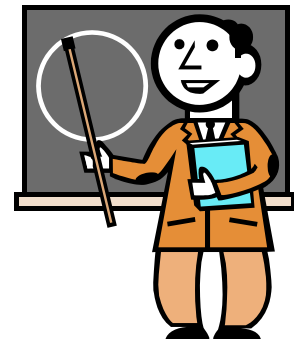
How much time do I estimate it will take to find the information and create the presentation?

- 1-2 hours
- 3-4 hours
- 5-6 hours
- 7-8 hours
- 9 or more hours

Big6 #6: Evaluation

How will I know if I have done my best?

- what I created to finish the assignment is appropriate for what I was supposed to do in Big6 #1
- the information I found in Big6 #4 matched the information needed in Big6 #1
- credit is given to all of my sources, written in the way my teacher requested
- my work is neat
- my work is complete
- I would be proud for anyone to view this work





Name _____

Planet Fact Sheet

1. Name of planet

2. This is the _____ (number) planet from the sun.

3. High

Temperature _____

4. Average

Temperature _____

5. Low

Temperature _____

6. Diameter in

miles _____

7. How long is a year on this planet? (One orbit of the sun) _____

8. How long is a day on this planet? (One rotation) _____

9. Is this planet rocky or gassy? _____

10. How far is this planet from the sun in miles? _____

11. How many moons does it have? _____

12. How many rings does it have? _____

13. What are some more interesting facts about this planet?

a.

b.

c.

d.

Resources Used

Below list the website that you got your information from.

1. Title _____

—

Web address _____

2. Title _____

Web
address _____

3. Title _____

Web
address _____

4. Title _____

Web
address _____

Planet Websites

Get ready for blast off!



Kids Astronomy

http://www.kidsastronomy.com/solar_system.htm



NASA Solar System Exploration

<http://solarsystem.nasa.gov/kids/index.cfm>



The Nine Planets Just for Kids

<http://kids.nineplanets.org>

The Planets

<http://www.frontiernet.net/~kidpower/planets.html>



Cupcake Rubric

Name of Presenter _____

Name of Evaluator _____



Burnt Cupcake



Good Cupcake



Yummy Cupcake with Sprinkles and a Cherry

The story was okay. I did not learn anything new.

The story was good. I learned a few new things.

The story was great! I learned a lot!



eBook Rubric

Name _____ Topic _____

	Bright Shining Star 3	Twinkling Star 2	Falling Star 1
Planet Facts	eBook contained a large amount of interesting facts about the planet. Fact sheet was complete.	eBook contained a few facts about the planet. There were a few facts left blank on the fact sheet.	eBook contained no facts about the planet. Fact sheet was incomplete.
Internet Use	Successfully used suggested internet links to find information and navigates within these sites easily without assistance.	Usually able to use suggested internet links to find information and needed some assistance.	Needed assistance to use suggested internet links to navigate within these sites.
Conventions	All of the words are spelled correctly. Capital letters and ending punctuation are used correctly.	Most of the words are spelled correctly. Most of the capitals and punctuation are used correctly.	There are many spelling and punctuation errors.
Organization	The beginning is engaging. The writing shows clear organization with a beginning, middle and end. Transitional words are used.	The writing has only two story parts. (beginning, middle, or end)	The writing has only one story part. (beginning, middle, or end)

Comments _____

Total Point /12

