

Science Research Project

Purpose: students learned about the moon and its relationship to our solar system. They will now conduct a reading research project learning about different aspects of the moon while developing research skills, report writing, note-taking, and oral presentation skills.

Overview: each student will conduct research about the moon. They will use at least three (3) different sources; one needs to be an appropriate length book, the others may be internet. They will then use their research to write a three (3) page hand-written report or a two (2) full-page typed report about their topic. (If it is typed please use a 12 pt to 14 pt standard font) I encourage the use of a reference or other science book. The students will also need to list the sources on a Bibliography page. Students will learn how to write a bibliography during our class time and I have included information in this packet.

The students will also create a poster board (preferred) or large-size construction paper. The poster board will contain **8-10 key facts and** at least **3 pictures**. The poster will also include a **diagram** showing the sun, moon, earth system and how it works. The information should be **bold, neat and creatively** displayed.

The students will also prepare a 3-5 minute talk about their person to present to the rest of the class. Students should **not** read their report. Students can prepare note cards, an outline of talking points or refer to their diagram to help them remember information about their project.

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Report Content: Students should include 3 main ideas about their topic. With these main ideas should be at least 4 supporting details that describe the main idea.

Grading: Students will receive two grades for this project. One will be a shared Science and reading grade for content and the second will be a Writing grade for the written portion of the project. See the attached rubrics. I will make the final decision about the student grade, but students are required to self-assess their work.

Due Dates:

Bibliographies are due on 11/6

Outlines are due on 11/9

Rough Draft Report are due on 11/11

Final Report and Project are due on 11/13 Oral presentations will also begin that day. Please do not wait until the day before to begin.

Parent Signature:

(I'll just be checking these off and returning directions to kids)

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Student checklist of required items:

- 1 book for research
- at least 2 websites for research
- 2-3 pages long (typed or written)
- research information included
- diagram large enough to be seen by audience
- pictures on poster board
- prepared "talk" 3-5 minutes-NOT READ
- included a bibliography in proper format
- report is organized with a beginning, middle, and conclusion
- report is written in your own words-not plagiarized
- used complete sentences, capitalization, and proper spelling
- turned it in on time:
- rubric page is completed **by the student** and **attached** to written report

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Name: _____

Final Grading Rubrics for the Black History Month Reading Research Project

Science/Reading Rubric

Component	Possible points	Teacher Assessment of Points Earned
Required information in paper is complete	30	
Presentation was at least 3 minutes	20	
Diagram of Sun, Moon, Earth system demonstrating how they relate to each other	20	
Poster board includes at least 3 pictures, is clear and creative	15	
Turned in on time	10	
Poster Board is neat and organized with Title	5	
Total (add up all points)	100	

Writing Rubric

Component	Possible points	Teacher Assessment of Points Earned
Report is written in your own words	10	
Report includes an introduction	10	
Report has body	20	
Report includes a conclusion	10	
Proper conventions are used (punctuation, capitalization, spelling)	15	
Report is of proper length(2-3 pages)	15	
Bibliography is done correctly (and includes all required information)	10	
Turned in on time with heading	10	
Total (add up all points)	100	

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Writing a Bibliography

The purpose of recording your sources is to give credit to the author for his or her work. Also, other people who wish to read more about your topic can go to your source to read the entire article. And finally, if you are writing a research paper, your teachers can also go to those sources to make sure that you have not directly copied the words of the author (plagiarism).

Components of a Bibliography- The following items must be included if they are available.

- Author's name
- Title of the book, article, or website
- Date that it was published/printed
- Name of the publishing company
- Location of the publishing company
- URL-Website address
- Date of retrieval from the website

Format- There are several different formats, or order of listing things. The authors' **last** names should be listed in alphabetical order. For this class we will use the following:

Book:

Author's last name, author's first name. (date of publication). *Title (either underlined or in italics)*, publisher location: publisher name.

Website:

Author's last name (if known), author's first name (if known). (date of article publication), Title of website and article. URL. date of retrieval (when you got it from the Internet)

Examples:

Smith, Joseph (2005). *How to Eat Fried Squid*. NY: Frank's Publishing, Inc.

(No author listed). (2006). Encarta.com, *Butterflies*. <http://www.encycarta.com/html>
Retrieved on Nov. 2, 2009

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Grading Rubrics for the Black History Month

Bibliography

Component	Possible points	Student Assessment of Points Earned	Teacher Assessment of Points Earned
3 Sources in MLA format	30		
Name, Date and "Bibliography" in Heading	10		
Turned in on time	10		
Total (add up all points)	50		

Outline

Component	Possible points	Student Assessment of Points Earned	Teacher Assessment of Points Earned
3 Paragraphs completed with required information from guided outline	30		
Completed Introduction	10		
Completed Conclusion	10		
Name and Date	5		
Turned in on time	10		
Total (add up all points)	65		

Rough Draft

Component	Possible points	Student Assessment of Points Earned	Teacher Assessment of Points Earned
5 Paragraphs	50		
All information from Outline in each paragraph	20		
Title	10		
Name, Date and "Rough Draft" in Heading	10		
Turned in on time	10		
Total (add up all points)	100		

Science Research Project Project Assessment

Name: _____

Poster/Visual

	Not Present (0)	Demonstrates Partial Mastery (1)	Demonstrates Full Master (3)
Pictures			
5-8 facts on timeline			
Title and labels			

Total = _____

Writing

	Not Present (0)	Demonstrates Partial Mastery (1)	Demonstrates Full Master (3)
Main Idea 1			
Main Idea 2			
Main Idea 3			
Introduction and Conclusion			

Total = _____