**SES4U Earth and Space Sciences**

**Unit 1 | Astronomy**

**Assignment 1.1 | Astronomy Project**

**Description:**

To investigate an aspect of space that interests YOU.

**The Task:**

In approximately 300 words, you are to explain the topic of your choice.

You must incorporate research, and include a references section at the end.

Use at least 3 good sources, identified in a Sources section at the bottom of your page.

You must include the title of the source, the date of publication and a working link.

Please use the following format for your references:

Last name of author. Date. Title of article. Working link.

If 300 words is too much for you to tackle right now, you can choose 2 separate topics and write 150

words about each. Include separate sources for this option.

You may choose from the topics listed below:

• Contributions of an astronomer (historical or modern day)

• Black Holes

• Aboriginal perspectives on astronomy

• Telescopes

• Travel in space

• The science of space suits

• How particle accelerators are used for astronomical research

• Quasars

• Dark matter/ dark energy

• Mars rover

• What effect does space travel have on the human body?

• Canadian technology used in space

• Current Canadian involvement in astronomical research

• Terraforming

• Satellites, Probes and Rovers

• Future plans for space exploration

• International Space Station

• Rockets and Space shuttles

• Asteroid mining

Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Chosen Organization: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Evaluation Rubric**

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| --- | --- | --- | --- | --- |
|  | **Level 1**  (50-59%) | **Level 2**  (60-69%) | **Level 3**  (70-79%) | **Level 4**  (80-100%) |
| **Knowledge**  Understand how to conduct CSR audit (included all of the steps required for audit)  /20 | Coverage of topic,  topic is  inappropriate to  assignment, not  based on  research-based  information,  unclear and  difficult to  understand  No attempt to  include a relevant  photo | Topic in adequately  covered, topic is  appropriate to  assignment, not  based on researchbased  information  clear and  understandable  Only one photo is  included, even  though there are 2  topics discussed. | Good coverage of  topic, topic is  appropriate to  assignment, basis  in sound,  research-based  information, clear  and  understandable  One relevant,  photo per topic is  included. | In-depth coverage  of topic, topic is  appropriate to  assignment, strong  basis in sound,  research-based  information,  outstanding clarity  At least one  relevant, visually  pleasing photo per  topic is included. |
| **Communication**  /10 | More than four  misspellings  and/or  grammatical  errors. Text is  copy & pasted. | Four misspellings  and/or grammatical  errors. Little attempt  to put text in own  words. | Three or fewer  misspellings  and/or  grammatical  errors. Clear  attempt to put text  in own words. | No misspellings or  grammatical errors.  Text is in student’s  own words. |
| **Sources Cited**  /10 | No sources are  cited. | 1-2 sources are  sited in the  appropriate slide.  Sources may not be  academic or  reputable  Or source title;  publish date and  working link are not  included. | 3 sources are  included in  sources section.  Sources are  academic and  reputable.  Source title;  publish date and  working link  included. | More than 3 sources  are included in  sources section.  Sources are  academic and  reputable.  Source title; publish  date and working  link included. |

Total Mark:

Comments: