**SCIENCE 9**

**Composition & Characteristics of the Solar System and of the Universe Research Assignment**

**ONCE YOU HAVE OPENED THIS DOCUMENT, PLACE NAME BELOW AND SAVE IN YOUR DOCUMENTS IMMEDIATELY**

**Name: October 18, 2019**

**INSTRUCTIONS:**

* Answer the following on Word Document
* Upon successful completion, PRINT two copies (double sided): one to be provide to teacher and one for yourself to be used for class discussions.
* YOU MUST IDENTIFY THE WEBSITES USED (URL) AFTER EACH ITEM ANSWERED PLAGARISM WILL NOT BE ACCECTABLE

**Through research, students will be able to:**

1. Describe the effects of solar phenomena on Earth (312-6):

– sunspots – solar flares – solar radiation

1. Describe and classify the major components of the universe (312-2):

– nebulae – galaxies – giant stars – dwarf stars – quasars – black holes

1. Calculate the travel time to a distant star at a given speed (210-9):

– define and explain a light year

1. Explain how data provided by technologies contribute to our knowledge of the universe (109-3)
2. Provide examples of how the Canadian Government and/or Canadian Space Agency is involved in research projects about space (112-6)
3. Describe examples of science and technology-based careers in Canada that are associated with space exploration (112-11)
4. Identify new questions and problems that arise from the study of space exploration (210-16)
5. Defend their position regarding societal support for space exploration (211-5)

PRINT A COPY FOR YOURSELF (AS YOUR ANSWERS WILL BE USED/DISCUSSED DURING CLASS)

IF I HAVE NOT RECEIVED YOUR PROJECT PROPOSAL BASED ON THE SOLAR SYSTEM, PLEASE SUMMIT TO MRS. LEVESQUE-GODIN (ON WORD DOCUMENT PROVIDE IDEA AND ITEMS NEEDED TO COMPLETE THE PROJECT). DUE: MONDAY, OCTOBER 21/19

ONCE COMPLETED VIEW INFORMATION/VIDEOS RELATING TO THE ISS (INTERNATIONAL SPACE STATION)

**DUE: THURSDAY, OCTOBER 24, 2019**