EU9.2

Analyze scientific explanations of the formation and evolution of our solar system and the universe.

Indicators for this outcome

(a) Describe scientific theories on the formation of the solar system, including planets, moons, asteroids, and comets.

(b) Describe scientific theories and models of the origin and evolution of the universe and the observational evidence that supports those theories (e.g., red shift of galaxies, cosmic microwave background radiation, and abundance of light elements).

EU9.3

Examine how various cultures, past and present, including First Nations and Métis, understand and represent astronomical phenomenon.

Indicators for this outcome

(a) Describe First Nations and Métis perspectives on the origin of the solar system and the universe.

(b) Identify how worldviews related to astronomical phenomenon are expressed through First Nations and Métis stories and oral traditions.

(d) Identify common characteristics of stories, past and present, describing the origin of the world from various cultures and those in fantasy literature.

The purpose of this inquiry assignment is to explore the scientific explanation of the creation of the universe and compare it to creation stories from different cultures.

Students will:

1. Research scientific explanations of the Origin of the Universe, including evidence of the "Big Bang Theory" and an Expanding Universe.

2. Research a creation story from a Canadian First Nation or Metis perspective.

3. Research a creation story from a non-Canadian cultural perspective.

Once the research is complete, students will write a one-page, mini essay comparing and contrasting the origin and creation theories.