Grades 9-10
Curriculum-Embedded Performance Task
Strand V: Genetics, Evolution & Biodiversity

Human Population Dynamics

Science, Technology & Society
Teacher Materials

Human Population Dynamics

Teacher Materials

This curriculum-embedded science performance task is related to the content standards and expected performances for Grades 9-10, as described in the Core Science Curriculum Framework, under Scientific Inquiry, Literacy and Numeracy, Strand V – Genetics, Evolution, and Biodiversity.

Targeted Content Standard

10.6 – Living organisms have the capability of producing populations of unlimited size, but the environment can support only a limited number of individuals from each species.

Targeted Scientific Inquiry, Literacy and Numeracy Standards

D INQ. 2 Read, interpret and examine the credibility and validity of scientific claims in different sources of information.

D INQ. 9 Articulate conclusions and explanations based on research data, and assess results based on the design of an investigation.

D INQ. 10 Communicate about science in different formats, using relevant science vocabulary, supporting evidence and clear logic.

Learning objective:

Students will research and evaluate population growth data in two different countries and offer explanations for factors that influence the projected change in human population in one of the countries.

Materials:

Access to computers/Internet

Considerations:

A Power Point slideshow is suggested as the performance activity for this task. If access to this program is problematic, the mechanism for the student report may be changed.