



Targeted Teaching Topic

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Summary of Topic:

DNA

Main Curriculum Tie:

Human structure and foundation, communication.

Required Materials for Lesson:

[The American Society of Human Genetics Annual DNA Day Essay Contest rules](#)

Background for Teacher:

Contest essay question and rules are posted mid-September. The contest is open to students in grades 9-12. The contest aims to challenge students to examine, question, and reflect on important concepts in genetics. Essays are expected to contain substantive, well-reasoned arguments indicative of a depth of understanding of the concepts related to the essay question.

Student Prior Knowledge:

DNA and genetic information background.

Intended Learning Outcome:

Communicate in writing results of science journal research.

Instructional Procedure:

Guide student research, evaluate initial essay and drafts along the way.

How to Measure Outcome:

Essay evaluation rubric.