



Targeted Teaching Topic

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Summary of Topic:

What Faulty Genes on What Chromosome

Main Curriculum Tie:

Chromosome and genetic diseases.

Required Materials for Lesson:

Computer with internet access.

Background for Teacher:

This site is nice for its brevity- you're not overwhelmed with all genetic anomalies. Each chromosome summary is one page long.

Student Prior Knowledge:

Genes are located on chromosomes.

Intended Learning Outcome:

Learn a bit about chromosome structure (i.e. bore pairs) and genetic diseases.

Instructional Procedure:

- Have students go to Genetics Home Reference: <http://ghr.nlm.nih.gov/chromosomes>
- Pick a number (i.e. chromosome #7).
- Read about the chromosome and some of the faulty genes associated with it.

How to Measure Outcome:

A short presentation to the class of their findings.