



Cloning Webquest

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DESCRIPTION

This lesson plan includes step-by-step facilitation notes for a webquest activity on cloning and interactive learning activities.

GRADE LEVEL

7

CONTENT TOPICS

Biology
Life Science
Science

SUGGESTED STANDARDS CONNECTIONS

Common Core ELA

CCSS.ELA-LITERACY.RI Reading Informational Text
CCSS.ELA-LITERACY.W Writing

NGSS

MS-LS4 Biological Evolution: Unity and Diversity

Cloning Webquest

Benchmarks: 7.2.1 Explain the use of reliable print and electronic sources to provide scientific information and evidence

Grade: 7

Time span: One 80 minute class period

Required: Computers with internet access

Web resource:

<http://learn.genetics.utah.edu/content/tech/cloning/>

Lesson:

- KWL on Cloning
- Have students do the online interactive “Cloning or Not” Quiz on the right side of the website. (Can also do as a class with a projector)
- Provide students 30 minutes (with computer and internet) to answer the following questions in their own words:
 - o What is cloning? (conduct interactive cloning of mouse)
 - o Why clone?
 - o What are two cloning myths? Why are they inaccurate?
 - o What are the risks of cloning?
 - o What are some issues in cloning?
- Discuss answers as a class with groups or partners sharing out what they’ve found.
- Have students write their view on cloning technology.
- Extension: Have a debate on cloning with students assigned to different roles in society.

Other genetic technologies found on this website include:

- Gene Therapy
- Stem Cells
- Transgenic Mice

Each technology includes background information and interactive exploration for students. Links are easily organized by important questions.