

GED 2002 Teachers' Handbook of Lesson Plans

Area/Skill - Science	Cognitive Skill Level - Analysis	Correlation to Science Framework - 03.02/03.06	Lesson Number - 07
<p>Activity Title - What About Cloning?</p> <p>Goal/Objective</p> <p>To analyze scientific information on cloning and evaluate the moral and ethical implications associated with it.</p> <p>Lesson Outline</p> <p>Introduction</p> <p>In today's fast paced world, there have been many scientific advances; however, there has not been any that have more ethical and moral questions associated with it than that of cloning. The moral, ethical and even legal implications will have an impact everyone's lives.</p> <p>Activity</p> <p>Discuss with the students their definition of cloning. Write down their definitions on chart paper. Next, have the students debate their own stance on the cloning issue. Talk with the students about what they already know about the subject of cloning. Discuss what things have already been cloned and what they think will be cloned in the future.</p> <p>Debriefing/Evaluation Activity</p> <p>Have a discussion on the subject of cloning and the effects that it has on the students themselves. Discuss the need for the students to become aware of the fact that their lives would also be affected by any governmental or legal decision that may be made about cloning.</p>		<p>Materials/Texts/Realia/Handouts</p> <ul style="list-style-type: none"> • Newspapers, news magazines • Chart paper, markers • Research Internet sites, such as: <ul style="list-style-type: none"> • USA Today - http://www.usatoday.com • Assignment Editor – The Newsroom Home Page -http://www.assignmenteditor.com/ 	
		<p>Extension Activity</p> <p>Have students use the Internet to search for articles on cloning. Have the students print the articles and read them to see if they support their own views. Debrief the activity by discussing the different viewpoints of different news sources.</p>	
		<p>ESE/ESOL Accommodations</p> <ul style="list-style-type: none"> • Provide an overview of the content or expected learning at the beginning of the session. • Give longer periods of time for the reading of articles along with a study guide to follow. • Provide a dictionary. • Highlight the main ideas in articles used. 	
<p>Real-Life Connection</p> <p>Look in newspapers or news magazines for articles on cloning. In small groups, have the students discuss their articles and how cloning would affect their lives if this became an everyday occurrence.</p>			

GED 2002 Teachers' Handbook of Lesson Plans - Script

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Activity Title - What About Cloning?

Introduction

Say: Does anyone know what the definition of the word cloning is? Have the students look up the word cloning in the dictionary.

Definitions of the word cloning and anything that the students have heard or read about cloning should be discussed so that the students have a clear understanding of the word. The group discussion should lead into the students' own opinions on the subject of cloning.

Main Activity

Say: Today we are going to examine the implications that cloning may have on your life. What kinds of things have already been cloned? Students should name things such as Dolly, the first sheep, mice, cows, pigs and goats. *Say:* What types of things do you think will be cloned in the future? Answers should include anything reasonable, including people. After people have been mentioned, the discussion should center on the moral, ethical and even legal implications of this act.

Closure/Conclusion

Ask: Will there ever come a time when the process of cloning will be used to create humans to do such things as fight wars or to even be used to do service level jobs? Discuss some of the current science fiction movies and books that show such a thing happening.

Follow-Up Lessons/Activities

Divide the class into small groups of 4-6. Have each group make a list of pros and cons using cloning of animals. Have them consider questions such as:

- Will the cloning of animals affect food supply, and health of people around the world?
- Will cloning have an economic impact on the world market?

Share the lists of pros and cons in a whole group setting with more discussion on how cloning could affect everyone's lives.