



Cell Division Lesson Plan

Grade Level: 8th Grade Biology

Overview:	Students will learn to work in groups and do research on how cell division works in its different stages. Students will be encouraged to use Smub.it to bookmark and share information with group members.
Objectives:	After this activity, students will know: <ul style="list-style-type: none">• Cells divide during different stages• The differences between plant and animal cells• How to use Smub.it with internet friendly sources
Standards:	CDE Standard 1: Cell Biology E. Students know cells divide to increase their numbers through a process of mitosis, which results in two daughter cells with identical sets of chromosomes. Standard 1: Cell Biology B. Students know the characteristics that distinguish plant cells from animal cells, including chloroplasts and cell walls.
Materials:	Minimum 1 computer per student (Lab or Personal) A Smub.it account already downloaded onto the tool bar (MAC or PC) 1 poster per group Markers
Procedure:	<ol style="list-style-type: none">1. Students will be put into groups of 4-5 people (made by teacher)2. Groups will be given a specific topic<ul style="list-style-type: none">• Animal cells dividing• Human cells dividing• Plant cells dividing3. Each student will receive a handout on how to properly install Smub.it onto their computer<ul style="list-style-type: none">• Students are encouraged to use this easy way of transferring websites from home computers to school computers• As well as emailing, twittering, or using other internet programs to share found websites with group members4. The class will be given 2 weeks to finish this project

	<ol style="list-style-type: none">5. At the end of the 2 week period each group is expected to have a well made poster board to share with the class6. Including a speech on their specific topic and how their particular cell divides
Evaluation:	<p>To ensure that students have learned how all cells divide by either doing research with their group, or paying attention to other presentations from classmates in class. Students will be expected to learn how to work in groups and all team members. Smub.it accounts are necessary to get full points for this project and students are highly encouraged to use this easy use of technology to share already found websites and bookmark such web pages.</p>