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Lesson Plan Template

Lesson Segment Focus:Phases of Mitosis		Lessonoi	
Course & topic addressed	Science—Phases of Mitosis	Date: 10/21/2018	Grade_3rd
Student Outcomes			
Specific learning objectives for	Students will learn the five phases of mitosis.		
this lesson.	1		
Describe the connection to	Students should understand what a cell is and its	functions as well as wh	at a chromosome is.
previous lessons. (Prior knowledge			
of students this builds upon)			
Knowledge of students	There is no prior knowledge of student backgrou	nd needed when perform	ming this lesson.
background (personal, cultural, or		1	2
community assets)			

State Academic Content Standards

List the state academic content	LS3.A: Inheritance of Traits
standards with which this lesson is aligned. Include state abbreviation and number & text of the standard.	Many characteristics of organisms are inherited from their parents. (3-LS3-1)
	Other characteristics result from individuals' interactions with the environment, which can range from diet to learning. Many characteristics involve both inheritance and environment. (3-LS3-2)

Academic Language Support

11000000000 Dupport	
students to understand key academic language to express and develop their content learning? What will you do to provide varying supports for students at different levels of academic language development? topi	rould try to make sure I used rich language found in their text to support the pic at hand. As a class we will read the chapter and discuss the main cabulary words and main ideas. I will make sure the class understands the cabulary and content by allowing them time to show understanding through oup work and projects.

Key Vocabulary

What vocabulary terms/content specific terminology must be addressed for	Interphase, Metaphase, Prophase, Anaphase, Telophase, Mitosis, and cells.
students to master the lesson?	

Materials

Materials needed by teacher for this lesson.	 YouTube video of mitosis https://www.youtube.com/embed/RNwJbMovnVQ Slides on google that allows students to fill in information on mitosis Handout of Phases for the students to place into correct order
Materials needed by students for this lesson.	 Scissors Glue Colored pencils/markers

Lesson Timeline with Instructional Strategies & Learning Tasks (This should be VERY DETAILED)

Amount of Time	Teaching & Learning Activities	Describe what YOU (teacher) will be doing and/or what STUDENTS will be doing during this part of the lesson.
5 mins	Introduction:	Get the children excited about science and start the lesson by showing the video from YouTube about the phases of mitosis.
35 mins	Instruction:	 After they have watched the video, ask the students about what vocabulary words stood out to them the most. Which ones seemed content specific and what they think they mean. After your class discussion is over let the students read the chapter from their books out loud to go over the phases of mitosis. Once the reading is done let the students get into groups and complete the stages of mitosis handout. Tell them to cut them out and match the pictures to their discriptions.

Amount of Time	Teaching & Learning Activit	Describe what YOU (teacher) will be doing and/or what STUDENTS will be doing during this part of the lesson.
20 mins	Closure:	 For the assessment allow the students to complete the google slides as a test. This wil show you what they know and how well they understand the information on mitosis. Be sure to explain the importance of copy rights and plagiarism when looking on the internet and taking information from sites. The students can conduct this in small groups of two or three or on their own. If you are wanting them to show their slides to the class I would recommend doing this in groups.
	ions/Modifications	
How might I	modify instruction for:	Remediation-group the student up with a student that could help explain it one on one. Intervention- I'm confused on this meaning?
Remediation	n?	IEP/504- as the teacher you should make the printed instructions bolder and bigger.
Intervention		LEP/ESL-I am confused as to what this is??
IEP/504?		
LEP/ESL?		
Differentiatio	n•	
	ou provide a variety of	Write the instructions on the board in bold letters
	methods/tasks/instructional	• Say the instructions out loud so the students can hear it and ask questions afterwards as a group.
strategies to e	ensure all student needs are	 Put the instructions on assignments in large print and simple task instructors.
met:		
	Formative and/or Summative	
	tools/procedures that will be esson to monitor students'	☐ Formative /☐ Summative
	ne lesson objective/s (include	☐ Formative /☐ Summative
	sment & what is assessed).	☐ Formative /☐ Summative
Research/The	eory	
Research/The Identify theo the approach	ries or research that supports	

Lesson Reflection/Evaluation

What went well?	TO BE FILLED IN AFTER TEACHING
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What changes should be made?	
How will I use assessment data for next	
steps?	

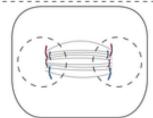
Include supporting material such as slides, pictures, copy of textbook, and handouts for any activities students will be using as part of your lesson.

*adapted from: http://webcache.googleusercontent.com/search?q=cache:EsQcNWuG1ZoJ:web.mnstate.edu/harms/StudentTeachers/edTPA-LessonPlan.doc+&cd=2&hl=en&ct=clnk&gl=us; http://www.moreheadstate.edu/getmedia/cd3fd026-939f-4a47-a938-29c06d74ca01/Lesson-Plan-and-Reflections.aspx; http://www.mcneese.edu/f/c/9cb690d2/Lesson%20Plan%20Rubric%20Aligned%20with%20InTASC.docx;https://www.uwsp.edu/education/Documents/edTPA/Resource12.pdf; https://www.uwsp.edu/education/Documents/edTPA/Resource11.pdf; https://www.uwsp.edu/education/Documents/edTPA/Resource11a.pdf; https://www.uwsp.edu/education/Documents/edTPA/SpecEdLessonPlanTemplate.docx; https://www.uwsp.edu/education/Documents/edTPA/SpecEdLessonPlanTemplate.docx

STAGES OF MITOSIS

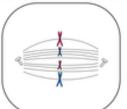
(1a)

Cut out the four diagrams and descriptions of the stages of mitosis below and stick them down in the correct order in the table on sheet 1b.



Stage: _____

The chromosomes line up on the e_____ of the cell. They attach to the s____ f___ by their

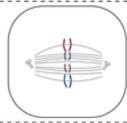


Stage



Stage: _____

The separated chromosomes reach the opposite p_____ of the cell. A
n_____ envelope forms round the two sets of duplicated chromosomes. The two n____ that form are i____ to one another. After mitosis,
c____ occurs, where the cell splits into two separate cells.



Stage:

form, consist of two sister c_____ in this stage the chromosomes c______ ejving a shorter and thicker appearance. The nuclear e____ also breaks down. The centriole divides and the two centrioles move to apposite p___ of the cell. A s___ starts to form between the two centrioles. The spindle fibres are made from a protein called ___.

The chromosomes in their r_____