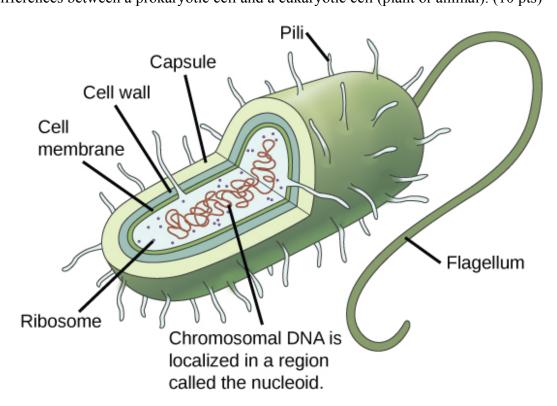
Name	Period:	Cycle 3 January 18 – March 11
	Integrated Science – 7 th SYSTEMS (Weeks 1 & 2)	
A	cell is regarded as the true biological atom. — George Henry Lewes	
the organisms cell. Cells con cells have con	things are made of smaller structures whose functions enable to survive. The basic unit of structure in all living things is the abine to form tissues that combine to form organs. While all all amon structures, there are differences between plant and animal ails are usually visible only through a microscope.	
Essential Que because it is n	estion 1: What does it mean to be alive? estion 2: Is a multicellular organism itself alive or is it alive nade of individual living things? estion 3: How are a cell's structures connected to its function a	
Advanced Student Work (Bonus 10 pts) (<i>Due March 3</i>): Research a living organism by doing an in-depth study or analysis of its four needs to stay alive. Complete this by writing a report that covers all of the unique needs of the organism. See the eschooltoday website here for the criteria: http://goo.gl/dsRs8E		
WEEK 1: I	Due January 22	
	1. Read the overview with the class and mark it up.	
autotr	2. Make vocabulary cards or fill out Marzano vocabulary sheets froph, heterotroph, permeable, membrane, photosynthesis, resis, diffusion, homeostasis, organ, organelle, organism, unicellell.	piration, fermentation,
	3. Participate in and take notes on the lesson: the characteristics	of living things.
	4. Participate in and take notes on the lesson: Parts and Usage of	`A Microscope
Use the http://v https:// You m	5. In a group of 2 or 3 of your colleagues, read handouts, <i>Anatome Microscope</i> , and view the following video on making wet mound www.youtube.com/watch?v=HCQNyjl-iFQ or a better one www.youtube.com/watch?v=ZjQVQ8gT0A8 hay also refer to: https://www.wisc-online.com/learn/natural-scienmicroscope for an overview of parts and a self-directed quiz.	nt slides:

_6. Complete the Parts of a Microscope Graphic Organizer (5 pts)

	Name	Period:	Cycle 3 January 18 – March 1
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WEEK 2: Due January 29

	8. In your group of 2 or 3 of your colleagues, complete the Lab: Letter 'e' Lab.
	9. Read and take notes on pp. 50-57 of the <u>Prentice Hall Life Science</u> textbook.
<u>Scie</u>	10. Answer all parts of the four Assessment questions on page 57 of the <u>Prentice Hall Life</u> ence textbook.
	11. Participate in and take notes on the lesson: Prokaryotes vs. Eukaryotes.
	12. ADVANCED WORK: Microscope Lab: Prokaryote or Eukaryote
<u></u>	13. Using the figure of the prokaryotic cell shown below, create a Venn Diagram listing the illarities and differences between a prokaryotic cell and a eukaryotic cell (plant or animal) (10 pts



^{**} For assignment 13 use your textbook (pp. 47-48, 64-65) or these websites to complete the diagram: http://www.cellsalive.com/cells/cell_model.htm OR http://learn.genetics.utah.edu/content/cells/insideacell/

Name	Period:	Cycle 3 January 18 – March 11
	Integrated Science – 7 th SYSTEMS (Weeks 3 & 4))
Essential Question alive because it is n	n 1: What does it mean to be alive? n 2: Is a multicellular organism itself alive or is it made of individual living things? n 3: How are a cell's structures connected to its esses?	
Research a of its four n that covers	ranced Student Work (Bonus 10 pts) (<i>Due March 3</i>): living organism by doing an in-depth study or analysis eeds to stay alive. Complete this by writing a report all of the unique needs of the organism. See the by website here for the criteria: http://goo.gl/dsRs8E	
WEEK 3: Due	February 5	
http://www.	14 and 15 use your textbook (pp. 47-48, 64-65) or these vicellsalive.com/cells/cell_model.htm OR genetics.utah.edu/content/cells/insideacell/	websites to complete the G.O.:
14. C	omplete the Graphic Organizer: Plant Cell Anatomy.	
15. C	omplete the Graphic Organizer: Animal Cell Anatomy.	
	sing the information from the above worksheets on plant gram listing the similarities and differences between plan	
	ead and take notes on pp. 60-67 of the <u>Prentice Hall Life</u> rebsite and compare the sizes of cells:	Science textbook. Go to the
18. A Science text	Answer all parts of the four Assessment questions on page tbook.	e 67 of the <u>Prentice Hall Life</u>
	Begin preparation for the Performance: Cells: The True S your function)	tory! (receive your role and begin
20. M	Take the appropriate nametag for your role in the perform	ance.
WEEK 4: Due	February 11	
http:	Go to the following website and compare the sizes of cells://learn.genetics.utah.edu/content/cells/scale/ I't forget to notice the metric scale (centimeter, micrometer)	

Name	Period:	Cycle 3 January 18 – March 11
	22. Continue preparation for your role in the performance: research and report.	
	23. Continue preparation for your role in the per	formance: rehearse in groups.

Name	ePeriod:	Cycle 3 January 18 – March 1
	Integrated Science – 7 th SYSTEMS (Weeks 5, 6, & 7	()
Essen <i>is it al</i> Essen	ntial Question 1: What does it mean to be alive? Initial Question 2: Is a multicellular organism itself alive or live because it is made of individual living things? Initial Question 3: How are a cell's structures connected to its ion and processes?	
	Advanced Student Work (Bonus 10 pts) (<i>Due March 3</i>): Research a living organism by doing an in-depth study or analysis of its four needs to stay alive. Complete this by writing a report that covers all of the unique needs of the organism. See the eschooltoday website here for the criteria: http://goo.gl/dsRs8E	0
WEI	EK 5: Due February 19	
	24. Performances: Cells: The True Story! (please hand in your r	esearch notes!)
	25. Complete the Concept Map and 10 questions on p. 69 of the textbook.	Prentice Hall Life Science
	26. Walk through, observe, and ask questions of the presenters a	at the MMA Science Fair.
WEI	EK 6: Due February 26	
	27. Participate in and take notes on the lesson: Osmosis and Dif	fusion.
	28. Read and take notes on pp. 80-85 of the <u>Prentice Hall Life S</u>	cience textbook.
	29. Complete the Assessment questions 1-5 on pg 85 of the Pres (10 pts).	ntice Hall Life Science textbook.
	30. Complete the practice worksheet: Diffusion Worksheet	
	31. Complete the activity: Egg Osmosis Lab	
	32. ADVANCED WORK (Optional): Fluffy Raisins Lab	
WEI	EK 7: Due March 4	
	33. Study for your cycle Theme Test.	
	34. Take the cycle 3 Theme Test.	
	35. Hand in all cycle work, including Advanced Work Project. I	No more work accepted!