**Biology Weekly Planner** Week of 9/18/17

Bio 2.1.2 Analyze energy pyramids for direction and efficiency of energy transfer. ▪ Living systems require a continuous input of energy to maintain organization. The input of radiant energy which is converted to chemical energy allows organisms to carry out life processes. ▪ Within ecosystems energy flows from the radiant energy of the sun through producers and consumers as chemical energy that is ultimately transformed into heat energy. Continual refueling of radiant energy is required by ecosystems.

Bio.2.1.1 Analyze the flow of energy and cycling of matter (such as water, carbon, nitrogen and oxygen) through ecosystems relating the significance of each to maintaining the health and sustainability of an ecosystem



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Day | **Objective** | **Essential question** | **Activities** | **Handouts/\*Homework** |
| Mon 9/18 | Students will understand cellular energy and energy cycles | What are cellular energy and energy cycles? | -presentations part 1-Notes: Energy | Assigned on 9/15 was <https://www.ncbi.nlm.nih.gov/books/NBK26882/> Cell respiration: <https://www.youtube.com/watch?v=4Eo7JtRA7lg>  |
| Tues9/19 | Students will understand cellular energy and energy cycles | What are cellular energy and energy cycles? | -presentations part 2-tests!!Energy coloring-Get PROGRESS REPORTS! | DO NOT finish picture, just read directions again AND underline vocab words on writing side.HW= get progress report signed! |
| Wed | Students will understand cellular energy and energy cycles | What are cellular energy and energy cycles? | Last of the presentations?Finish notesFinish coloringLAB!! Respiration | <https://www.youtube.com/watch?v=0IJMRsTcwcg> HW=finish your coloring page<https://www.youtube.com/watch?v=xMn319zkZ2s>  |
| Thur | Students will understand cellular energy and energy cycles | What are cellular energy and energy cycles? | LAB! LACTIC ACID! | HW= finish ALL of the review to get ready for quiz |
| Fri9/22 | Students will understand cellular energy and energy cycles | What are cellular energy and energy cycles? | QUIZ- cell energyFERMENTATION LAB | Test corrections Due MondayRead next unit: DNA<http://science.howstuffworks.com/life/cellular-microscopic/dna.htm>   |

http://lectureonline.cl.msu.edu/~mmp/labs/samplelab/sample.htm

9/18/17 Monday



Nesmith room 206 Ms. Evans

-hand in electronics/cell phone

-Notes: Cell energy

-Project presentations!!

9/19/17 Tuesday



Nesmith room 206 Ms. Evans

-hand in electronics/cell phone

-Notes: Cell energy

-Project presentations!! 

GROUP GRADING SHEET RUBRIC Remember….4’s are RARELY awarded

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Area graded | 4 | 3 | 2 | 1 | 0 |
| Introduction | Went above and beyond with a CLEAR introduction of all members and the subject | CLEAR introduction of all members and the subject | Quick introduction of subject and members, repeat or clarification required | Quick introduction of with not all members introduced, topic of subject mentioned | No introduction |
| Thoroughness/ Correctness | More organelles and information than required/ ZERO mistakes and previously unseen connections made | 12 or more parts described thoroughly and clearlyPerfect | 10 or more parts describedJust 1 minor problem | 8 or more parts described2 minor problems | 5 or more parts described3 or more problems |
| Continuity | This team looks like they practiced for years together | Excellent job working as a team | Decent job working as a team | This team seemed to not have worked together much on this | No evidence of team working together at all |
| Creative | This idea was so creative, I know I would have never thought of this myself | Effort shown 100% of the time to be creative | Effort shown some of the time to be creative | Minimal effort shown to be creative | Looked like a typical going through the motions |
| Interesting/colorful | I want to sign this team up for “America’s got Talent” because they could easily captivate the judges and all of America with this topic!!!! | Color used throughout and there was never a dull moment | Effort shown to make this presentation stand out.  | Minimal effort shown to make this presentation interesting or colorful | I almost fell asleep |

9/20/17 Wednesday



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-hand in electronics/cell phone 🡪progress reports

-Finish Notes: Cell energy

-Do you need more time with your metabolic pathways??

-video

-HW= finish metabolic coloring page

9/21/17 Thursday



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🡪coloring sheet

-TEAM grading for project

-LAB! Lactic acid

-Review activity 6-10

-Test corrections due Monday, 9/25!!

………Show all work, 3 were not counted against you, have reasoning.

9/22/17 Friday



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-Hand in electronics and any make up work

-Stadium seating again

-Study for quiz

Introduction to DNA: <https://www.youtube.com/watch?v=d7ET4bbkTm0>