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| January |  |
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| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
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| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|  | \*Intro. To DNA:- DNA origami-DNA properties-DNA Pogil |  | \*DNA structure:-Notes\*Finish DNA Pogil | \*DNA extraction lab\*DNA modeling with candy\*DNA coloring | \*Review DNA structure-Finish DNA coloring |  |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
|  | \*DNA structure Quiz\*Intro. to the cell cycle:-Cell Division |  |  \*Cell Division lab:-Investigating stages of the cell cycle | \*Cell Division lab:-Graphing & Data Analysis |  |  |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
|  | **MLK Holiday** |  |  \*The cell cycle & cancer:-Mutations & their effects on cells/organisms-Cancer Research intro. | Computer Lab:-Cancer research-Finish Cancer research paper | Computer Lab:-Cancer research |  |
| 26 | 27 | 28 | 29 | 30 | 31 |  |
|  | -Cancer Research presentations |  | - Finish Cancer Research presentations-Cell Cycel Flash Cards | -Cell Cycle Review- Cell Cycle Quiz | \*Intro to protein synthesis:-Transcription-Translation\*Protein synthesis race |  |

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| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|  | -Finish Protein Synth Race-Practice Transcription & Translation |  | \*Mutations:-Types of mutations- Effects of mutations-Mutations by Analogy | -Finish Mutations by analogy-Begin Review for Protein Synthesis Quiz | -Protein Synthesis Kahoot-Begin Protein Synthesis Quiz |  |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|  | -Finish Protein Synthesis Quiz  |  | Gattaca:- Ethics in genetics-Discussion questions | 1/2 Day(p. 4, 5, 6) | **Inservice** |  |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|  | **President's Day****Holiday** |  | \*Meiosis-Notes-Begin modeling lab | -Mendelian Genetics notes-Practice Punnett Squares |  -Genetics Basics Pogil (Dragon Genetics) |  |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
|  | Genetics Escape Room:-Applying genetics |  | - Finish Genetics Escape Room-Superhero Genetics Lab  | -Finish Superhero Genetics Lab- Creating a Dragon with Genetics | -Finish Dragon Genetics Lab |  |

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| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|  | -Introduction to Pedigrees |   | -Practice Pedigrees-Begin Genetics Review  | -Genetics Study Guide-Genetics Review Game- | **Inservice** |  |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|  | **Spring Break** | **Spring Break** | **Spring Break** | **Spring Break** | **Spring Break** |  |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
|  | -More Punnett Square Practice |  | -Practice Punnett Squares:-Incomplete & codominance-Multiple alleles-Polygenic inheritance | \*Genetics Terms card game:-Taboo | \*Finish Genetics Terms card game |  |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
|  | Genetics Review Kahoot:-Terms & Applying Mendelian Genetics |  | PEAKS Testing(Work on Genetics study guide) | PEAKS Testing(Work on Genetics study guide) | -Final Genetics Review-Begin Genetics Unit Exam |  |
| 29 | 30 | 31 |  |  |  |  |
|  | Genetics Unit Exam |  |  |  |  |  |

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|  |  |   | Genetics Unit Exam | \*Finish Genetics Unit Exam\*Rapid Evo article:- Killifish |  Introduction to Evolution:-Brainstorming activity |  |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|  | Evolution Notes:-Darwin's voyage-Theory of Natural Selection |   | \*Finish Evolution Notes\*Begin Create-a-Creature:- Adaptations | \*Evidence for Evolution:- Summary vid.- Finish Create-a-Creature | \*Crash CourseEvolution Video- Natural select.\*Turn in Create-a-Creature |  |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
|  | Simulating Natural Selection:-Darwin's Finches Lab |  | \*Finish Darwin's Finches Lab\*Work on Evidence for Evolution Guide | \* Begin Cladograms-Phylogenetic relationships-Creating cladograms | \*Finish Cladograms\*Hardy-Weinberg:-Notes-Applying HW |  |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
|  | HW Lab:-Simulating Hardy-Weinberg |  | \*Finish HW Lab- Data analysis\*Review Evolution:-Study Guide | \*Evolution Review:-Kahoot-Finish Study Guide | \*Evolution Unit TEST:-Begin |  |
| 26 | 27 | 28 | 29 | 30 |  |  |
|  | Finish Evolution Unit Exam |  | Begin Survival of the Sweetest:-Linking Evolution with Ecology | Finish Survival of the Sweetest |  |  |

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|  |  |   |  |  |  Begin Classification:-Kingdoms of Life-Dichotomous keys |  |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|  | Applying Dichotomous Keys:-Identifying fish |  | Dichotomous keys lab:-Specimen lab | Intro. To Animals:-Basic Features-Animal Phyla Project (Computer Lab) | Computer Lab:Research Animal Phyla |  |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|  | Finish Animal Phyla Research |  | Animal Phyla Presentations:-Survey of the Invertebrates | -Finish Animal Phyla Presentations-Begin Final Exam Review | Final Exam Review |  |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|  | Final Exam Review | Final Exam Review | Final Exams:Periods 1, 2, 3 | Final Exams:Period 4, 5, 6 |  **Teacher Work Day** |  |
| 24/31 | 25 | 26 | 27 | 28 | 29 | 30 |
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