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| January |  |
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| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|  |  |  | 1 | 2 | 3 | 4 |
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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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| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
| 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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| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|  |  |  | 1 | 2 | 3 | 4 |
|  |  |  | 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 Course  Evolution 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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| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
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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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