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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 |
|  | Review of Semester Exam  - Conservation of Energy | Rotational Kinematics:  -Using Rads  -Intro. to  Torque | Torque & Rotational Equilibrium  -Torque Lab | -Finish Torque Lab  -Torque practice questions | -Torque FR questions  -Rotation problem solving |  |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
|  | Moment of Inertia:  -Applications  - Rotational KE  -Practice ?s | \*Moment of Inertia lab:  -Rolling discs  \*Finish practice  ?s | Moment of Inertia Lab:  -Setup  -Begin data  collection |  | Moment of Inertia Lab:  -Data collection  -Data analysis |  |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
|  | MLK Holiday | Moment of Inertia Lab:  -Finish data  analysis | -Chapter 7.5 Conceptual Practice  -“I” Lab Report |  | Angular motion Free Response practice |  |
| 26 | 27 | 28 | 29 | 30 | 31 |  |
|  | Angular Momentum & Rotational KE  -Problem solving | -Practice Rotation Exam | Begin Rotational Dynamics Exam |  | Finish Rotational Dynamics Exam |  |

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| February |  |
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| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|  | SHM:  Pendulum/Spring inquiry lab | SHM:  Pendulum/Spring inquiry lab | SHM:  Pendulum/Spring inquiry lab  -Finish data collection |  | Simple Harmonic Motion:  -Graphing & Applications  -Finish Lab report |  |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|  | SHM Practice Questions  -Harmonium | -Intro. to semester project  -Hooke’s Law Lab | -Finish Hooke’s Law Lab  -Work on SHM questions | ½ Day (4, 5, 6) | **Inservice Day** |  |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|  | **President’s Day** | SHM Free-Response practice questions | Review for SHM Test:  -Finish FR  -Gimkit |  | SHM Unit Exam  -Finish MC questions  -Begin FR |  |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
|  | SHM Unit Exam  -Finish FR questions | \*SHM Unit Exam  -Finish (if needed)  \*Intro. to wave properties  -Mechanical waves | Mechanical Waves Lab:  -Inquiry into factors affecting waves  -Wave problems |  | \*Interference & standing waves:  -Superposition  -Harmonics  \*Standing waves inquiry lab |  |

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| March |  |
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| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
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|  | -Finish standing waves inquiry lab  -Work on Wave Problems | -Speed of Sound Lab  -Standing Waves Problems | -Speed of Sound Lab  -Review Sound Waves  (MC Practice) |  | **Inservice Day** |  |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|  | **Spring Break** | **Spring Break** | **Spring Break** | **Spring Break** | **Spring Break** |  |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
|  | -Standing Waves review  -Waves & Sound MC practice | -Sound waves FR practice  -Review for Unit Exam on Sound | Sound Wave test:  -MC Questions |  | Sound Waves Test:  -FR Questions |  |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
|  | Intro to Electric Forces:  -Phet investigations | Begin Electric Forces:  -Coulomb’s Law  -Packing peanuts charge lab | \*Finish peanut Charge lab  \*Electric Force Problem-solving  -Applying Coulomb’s Law |  | Static Electricity review:  -Focus on Coulomb’s law  -FR practice |  |
| 29 | 30  -Finish Coulomb’s law review | 31  Coulomb’s law quiz  -Applying Coulomb’s law |  |  |  |  |

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|  |  |  | Intro to circuits:  -Ohm’s law  -Kirchoff’s loop & junction rules |  | Ohm’s law:  -Series & parallel circuits  -Complex circuits |  |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|  | Building Circuits Lab:  -Using a multimeter | Circuits Lab | Finish Circuits Lab |  | Ohm’s Law & Circuits Quiz |  |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
|  | AP Exam Refresher:  -Prepping for Mock Exam | AP Physics 1 Mock Exam:  -MC | AP Physics 1 Mock Exam:  -FR |  | AP Exam Review |  |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
|  | Finish DC Circuits | AP Exam Review:  -Kinematics  -Newton’s laws | AP Exam Review:  -Linear Momentum  -Work & Energy |  | AP Exam Review:  - Finish Work & Energy |  |
| 26 | 27 | 28 | 29 | 30 |  |  |
|  | AP Exam Review:  -Rotation & Gravity | AP Exam Review:  -Angular Motion | AP Exam Review:  -Simple Harmonic Motion  -Waves & Sound |  |  |  |

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| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
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|  |  |  |  |  | AP Exam Review:  -Electrostatics  -DC Circuits |  |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|  | AP Exam Review:  -Practice Blitz | AP Exam Review:  -Practice Blitz | IAP Exam Eve:  -Final Exam Tips  -Final Material Review | AP Physics 1 Exam Day (12;00 pm) | Senior Finals |  |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|  | Play-Doh Resistor Lab | Finish Play Doh Resistor Lab | Rube Goldberg Madness |  | Rube Goldberg Madness |  |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|  | Finish Rube Goldberg | Ig Nobel Project Due | Final Exams:  Periods 1, 2, 3 | Final Exams:  Periods 4, 5, 6 | Teacher Work Day |  |
| 24/31 | 25 | 26 | 27 | 28 | 29 | 30 |
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