**2020-2021 School Year Weekly Calendar**

***Short Weeks Are In Red***

**First Six Weeks**

**Week 1, August 12th-14th**

|  |  |
| --- | --- |
|  | Scientific Methods |

|  |  |
| --- | --- |
|  | Hypotheses, Theories, and Laws |

**Week 2, August 17th-21st**

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| --- | --- |
|  | Tools, Technology, and Measurement |

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|  | Safety in Science |

**Week 3, August 24th -28th**

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|  | Data Analysis |

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| --- | --- |
|  | Science-Based Communication |

**Week 4, August 31st –September 4th**

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|  | Assessing Claims and Evidence |

**Unit Test**

**Week 5, September 8th- 11th**

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|  | Speed and Velocity |

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|  | Acceleration |

**Week 6, September 14th- 18th**

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|  | Introduction to Forces |

**Unit Test**

**Second Six Weeks**

**Week 1, September 21st -25th**

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|  | Newton's First and Third Laws |

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|  | Newton's Second Law |

**Week 2, September 28th –October 2nd**

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|  | Impulse and Momentum |

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| --- | --- |
|  | Conservation of Momentum |

**Week 3, October 5th -9th**

**Unit Test**

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|  | Vectors |

**Week 4, October 13th -16th**

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|  | Projectile Motion |

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| --- | --- |
|  | Universal Law of Gravitation |

**Week 5, October 19th – 23rd**

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|  | Centripetal Acceleration |

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|  | Circular Motion |

**Week 6, October 26th – 30th**

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|  | Orbital Motion |

**Unit Test**

**Third Six Weeks**

**Week 1, November 2nd -6th**

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|  | Work and Power |

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| --- | --- |
|  | Kinetic Energy |

**Week 2, November 9th – 13th**

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|  | Potential Energy |

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| --- | --- |
|  | Energy Transformations |

**Week 3, November 16th – 20th**

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|  | Conservation of Energy |

**Unit Test**

**Week 4, November 30th – December 4th**

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|  | Temperature and Heat |

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|  | Heat Transfer |

**Week 5, December 7th – 11th**

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| --- | --- |
|  | States of Matter |

|  |  |
| --- | --- |
|  | Changes of State |

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| --- | --- |
|  | First Law of Thermodynamics |

**Week 6, December 14th – 18th**

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|  | Second Law of Thermodynamics |

**Unit Test**

**Cumulative Test**

**Fourth Six Weeks**

**Week 1, January 5th – 8th**

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|  | Simple Harmonic Motion |

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|  | Introduction to Waves |

**Week 2, January 11th – 14th**

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|  | Wave Properties |

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| --- | --- |
|  | Wave Interactions |

**Week 3, January 19th -22nd**

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|  | Sound Waves |

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| --- | --- |
|  | Properties of Sound Waves |

**Week 4, January 25th -29th**

**Unit Test**

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|  | Electromagnetic Waves |

**Week 5, February 1st -5th**

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|  | Reflection and Refraction |

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| --- | --- |
|  | Mirrors |

**Week 6, February 8th -12th**

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|  | Lenses |

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|  | Diffraction |

**Week 7, February 16th – 19th**

**Unit Test**

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|  | Electrostatics |

**Fifth Six Weeks**

**Week 1, February 22nd – 26th**

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|  | Coulomb's Law |

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|  | Electric Fields |

**Week 2, March 1st – 5th**

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|  | Ohm's Law |

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|  | Electric Circuits |

**Week 3, March 8th -11th**

**Unit Test**

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|  | Magnets and Magnetism |

**Week 4, March 22nd – 26th**

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|  | Magnetic Field and Force |

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|  | Electromagnetic Induction |

**Week 5, March 29th – April 1st**

**Unit Test**

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| --- | --- |
|  | Applications of Electromagnetic Induction |

**Week 6, April 5th – 9th**

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|  | Radioactivity |

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|  | Fission and Fusion |

**Week 7, April 13th – 16th**

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|  | Special Applications of Nuclear and Wave Phenomena |

**Unit Test**

**Sixth Six Weeks**

**Week 1, April 19th -23rd**

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| --- | --- |
|  | Atomic Spectra |

**Week 2, April 26th -30th**

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| --- | --- |
|  | Dual Nature of Light |

**Week 3, May 3rd -7th**

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| --- | --- |
|  | Special Relativity |

**Week 4, May 10th – 14th**

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|  | Origin and Evolution of the Universe |

**Week 5, May 17th -21st**

**Unit Test**

**Week 6, May 24th -26th**

**Cumulative Test**