# Waller ISD Instructional Syllabus

**District:** Waller ISD

**Grade Level/Subject/Course:** Physics

**School Year:** 2026-2027

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## Course Description

*In Physics, students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: laws of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear, and quantum physics. Students who successfully complete Physics will acquire factual knowledge within a conceptual framework, practice experimental design and interpretation. By the end of Grade 12, students are expected to gain sufficient knowledge of the scientific and engineering practices across the disciplines of science to make informed decisions using critical thinking and scientific problem solving.*

Link to TEKS

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## Instructional Materials & Curriculum Resources

*As required by Senate Bill 12, all instructional materials used in this course are aligned, available for review, and transparent.*

- **Textbooks:** Accelerate Learning
- **Learning Management System:** Canvas
- **Digital Supplemental Resources:** Edgenuity
- **Supplemental Resources:** None

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## Material Access & Review Procedures

Parents/Guardians may:

- Request to **view instructional materials** before classroom use
- **Schedule in-person reviews** through the teacher or campus office
- Access digital resources via the Waller ISD Curriculum Information for Families website

**Access Link / Process:**
Visit wallerisd.net → Departments → Curriculum and Instruction → Curriculum Information for Families

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## Communication & Feedback

- **Preferred methods:** Teacher contact information can be found on your student's campus website
- **Parent updates:** Available via district and campus newsletters, district and campus websites, electronic grades, progress reports, and report cards

# Instructional Timeline Snapshot

| Unit/Topic | Approximate Dates |
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| Safety | Week of August 11 |
| Unit 0:  Nature of Science | Week of August 17 |
| Major Assessment Unit 0 | Week of August 17 |
| Unit 1: Horizontal Kinematic Motion | Weeks of August 31, September 8 |
| Major Assessment Unit 1 | Week of September 8 |
| Unit 2: Vertical Kinematic Motion & Free Fall | Week of September 14, 21 |
| Major Assessment Unit 2 | Week of September 21 |
| Unit 3: Projectile Motion | Weeks of September 14, 21, 28, October 7 |
| Major Assessment Unit 3 | Week of October 7 |
| Unit 4:  Force and Equilibrium | Weeks of October 12, 20 |
| Major Assessment Unit 4 | Week of October 20 |
| Unit 5:  Gravity and Circular Motion | Weeks of  October 26, November 4 |
| Major Assessment Unit 5 | Weeks of November 4 |
| Unit 6:  Momentum and Impulse | Weeks of November 9, 16 |
| Major Assessment Unit 6 | Week of November 16 |
| Unit 7: Work, Power, & Energy | Weeks of November 30, December 7, 14 |
| Major Assessment Unit 7 | Week of December 14 |
| Midterm | Week of December 14 |
| Unit 8: Thermodynamics (Kinetic Theory & Heat Transfer) | Weeks of January 6, 11, 19, 25 |
| Major Assessment Unit 8 | Weeks of January 11, 26 |
| Unit 9: Electricity & Magnetism | Weeks of February 1, 8, 16, 22 |
| Major Assessment Unit 9 | Weeks of February 1, 22 |
| Unit 10: Wave Characteristics & Properties | Week of March 1, 15, 22 |
| Major Assessment Unit 10 | Week of March 1, 22 |
| Unit 11: Simple Harmonic Motion & Sound | Weeks of March 30, April 5, 12 |
| Major Assessment Unit 11 | Weeks of March 30, April 12 |

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| Unit 12: Geometric Optics & Light | Weeks of April 19, 26 |
| Major Assessment Unit 12 | Weeks of April 19, 26 |
| Unit 13: Modern Physics | Weeks of May 3, 10 |
| Major Assessment Unit 13 | Weeks of May 3, 10 |
| Final Exam | Week of May 17 |

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**Compliance Statement:** This syllabus complies with Texas Senate Bill 12, ensuring instructional transparency and parental rights.