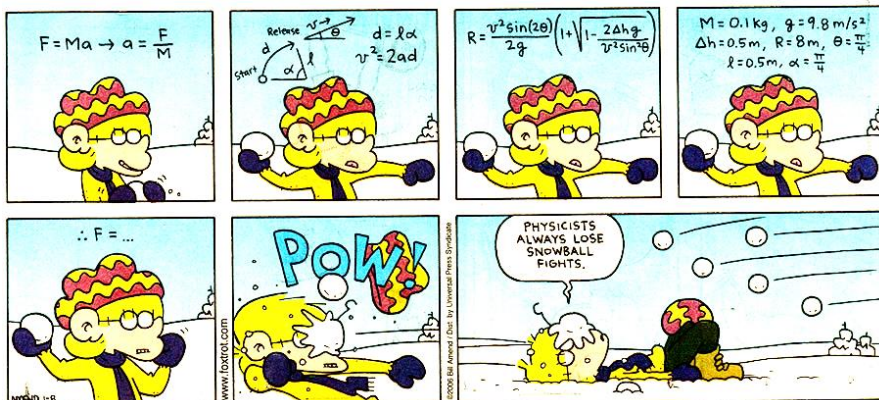


Phone: 713-688-1361 Ext. 015256 Website: [www.houstonisd.org/waltrip](http://www.houstonisd.org/waltrip)

### PHYSICS HADV

Instructor: Mr. Luther Howard III

Room 2210



Email: [howardi@houstonisd.org](mailto:howardi@houstonisd.org)

Office Hours: Appointment.

#### GRADES:

- 15% Homework
- 35% Test
- 20% Project/Lab
- 20% Quiz
- 10% Daily/Participation

#### Classroom Expectations:

- 1.) Respect Yourself and EACH OTHER!!!
- 2.) Actively Participate In Class And Group Activities
- 3.) Be On Time and Prepared
- 4.) Have A Positive Attitude
- 5.) Be Open To New Ideas And Use Constructive Criticism

**MATERIALS:** Binder or Spiral Notebook, Pen/Pencil, school provided laptop.

**Textbook:** Zitzewitz Paul. 2005. *Physics: Principles with Applications*. 6<sup>th</sup> ed. Upper Saddle River, N.J.: Prentice Hall.

#### Absences

**TUTORING:** During office hours or via email with at least a full day's notice.

**TESTS:** Test will be given after each unit. You will have at least a weeks' notice before an exam will be given.

**EXAMS:** We will have a comprehensive exam every six weeks. The semester finals will count for 10% of your grade.

**COURSE OUTLINE:** 1. Measurements and uncertainties; 2. Mechanics/Dynamics; 3. Thermal physics.  
4. Waves; 5. Electricity and magnetism; 6. Circular motion and gravitation; 7. Atomic, nuclear and particle physics; 8. Energy production; 9. Quantum Wave phenomena; 10. Fields; 11. Nuclear Physics

**Late Work:** Deadlines for work assignments will shown on the assignments.  
Makeups/ Extensions are subject to my discretion.