

April 13 - Report Cards Go Home (Wednesday)

April 14 - Parent-Teacher (Thursday - after school)

April 29 - Professional Learning Day (Friday)

May 5 - NBTA Meetings (Thursday)

May 6 - NBTA Council Day (Friday)

May 23 - Victoria Day (Monday)

May 27 - Professional Learning Day (Friday)

Physics 112

Monday, April 11/16

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Explain That Stuff - April 15/16

Midterm - April 21/16 (Thursday)

1. Worksheet - FBDs
2. **Assignment: U2-S1 -> Wednesday, April 13/16**
3. List of topics for A: U2-S1

4. Unit 2 - Section 2 - Newton's Laws

5. Galileo and His Inclined Plane Experiment

6. Inertia

7. Newton's First Law of Motion - The Law of Inertia

8. Worksheet: C4 - Extra Practice - Weight and Friction
Practice Problems (PP) - C4, Page 144: 5-7
PFU: Page 151, #26-28, 30-32, 34

Topics - A: U2 - S1

- > definitions: dynamics, force, net force
- > five specific forces
 - > definitions and symbols (W , F_a , N , T , F_f)
- > types of forces (contact and non-contact) and examples
- > draw FBDs (free body diagrams)
 - > objects at rest
 - > objects with uniform motion
 - > objects with uniformly accelerated motion
- > formulas

$$\vec{W} = m\vec{g}$$

-> perform calculations

$$F_f = \mu N$$

-> no calculations yet

-> μ has no units

-> static (stationary)

-> kinetic (moving)

-> $\mu_s > \mu_k$

-> $\mu > 1$



Science 122

Monday, April 8/16

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Midterm - April 28/16 (Thursday)

1. Check -> Red Text
 - > C18 - Page 381 - PP #14-16
 - Page 383 - PP #17-19
 - Page 387 - Review #1, 6, 9, 10, 12, 13
 - Applying Concepts #3-8
 - Problems #2, 4, 5, 7, 8, 9, 10, 13, 14
2. Experiment 37 - Image Formation by a Converging Lens
 - **Due - Tuesday, April 12/16**
3. Eyes - Near-sighted and Far-sighted
 - Corrections
 - LASIK
4. Lenses in Combination - To Be Continued

5. Review - Optics

6. Test: Optics ->

Friday, April 15/16

Science 10

Monday, April 11/16

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<https://www.youtube.com/watch?v=Gsz3yP4AXCY>

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1. Experiment: Measurement and Significant Digits
 - Each person submits a lab sheet for marking.
 - **4 Days Late**
 2. Activity - Tumble Buggies
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3. Interpreting Distance vs Time Graphs
 4. Activity - Graph Matching
 5. Worksheet - Distance vs Time Graphs

Physics 122

Monday, April 11/16

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Explain That Stuff - April 15/16

1. Experiment 10.2 - Torques (Page 67)
Experiment 9.1 - Conservation of Momentum (Page 55)
April 28/16
 2. Return and Review -> Test - Unit 1
 3. Unit 2 - Projectiles, Circular Motion, Law of Gravitation, SHM
 4. Section 1 - Projectiles -> Intro
 5. Projectiles Fired Horizontally - To Be Continued
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6. Text: Page 536, PP #1-8