

Science 10

Monday, May 7/18

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Meeting After School Assessment - Science (During Math Class)

Roller Coaster: Due: Friday, June 1/18

Optional Assignment - Graphing Characters (Max. 2)

- Due: Friday, June 1/18

1. Check
Worksheets - Finding Coordinates Small Grids (2)
Worksheet - Finding Slope from a Graph
 2. FA - Graphing Basics
 3. Slope and Average Speed
 4. [Worksheet - Distance vs Time Graph](#)
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5. Various Distance-Time Graphs
 6. Matching a Graph to a Story
 7. Worksheet - More Distance vs Time Graphs

Physics 112

Monday, May 7/18

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1. Return - Midterms

2. Worksheet: C5 - Momentum -> Page 197: PP #29
C5 - Impulse -> Page 200: PP #30-32

Worksheets:

C5 - Impulse-Momentum Page 203: PP #33-35

C5 - Momentum and Impulse-Momentum Page 209: PFU #37-45

MC

Worksheet - Extra Problems

3. FA - Momentum and Impulse - Tomorrow

Formative Assessment - Momentum and Impulse

1. A bullet traveling at 900 m/s [W] has a momentum of magnitude 4.5 kg m/s. What is its mass in grams?
D3.2

2. A force of 6.0 N acts on a 4.0 kg object for 10.0s.
 - a) What impulse does the object experience? D3.4
 - b) What is the object's change in momentum? D3.7
 - c) What is its change in velocity? D3.6

Physics 122

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1. Check:

Worksheet - Current -> Textbook - C15 - Page 696, PP #4-10

Worksheet - Resistance -> Textbook: C15, Page 708, #16-20

Worksheet - Ohm's Law -> Textbook: C15, Page 714, #21-25

Worksheet - Textbook: Page 737, #40-42

Page 744, #46-50

Worksheet - (Series) Textbook: Page 719, #27-31

Worksheet - (Parallel) Textbook: Page 724, C15 - PP#32-35

Worksheet - (Complex) Textbook: Page 728, #36-37

Textbook: Page 749, #33-34

2. FA - Current, Resistance in a Wire and Power

3. Worksheets - Circuit #1

Circuit #2

4. SA - Electric Circuits

- Thursday, May 10/18

- Format - MC and Problems

- Electric Current

- Conventional Current vs Electron Flow

- Resistance in a Wire

- Symbols, Ammeter, Voltmeter

- Ohm's Law

- Power

- Series, Parallel and Combination Circuits

10
4-5 U 3-52.
 $I = \frac{q}{t}$, $q = Ne$
 $R = \rho \frac{L}{A}$
 $V = IR$
 $P = VI$

5. Unit 2 -Section 1 - Projectiles

FA - Current, Resistance in a Wire and Power

1. How many electrons flow through a battery that delivers 3.0 A for 0.20 min?
2. The resistivity of a silver wire is $1.59 \times 10^{-8} \Omega\text{m}$. The diameter of the wire is 0.101 cm. If the length of the wire is 3.00 m, what is the resistance of the wire?
3. An iron is plugged into a 120 V outlet. If the power used by the iron is $6.00 \times 10^2 \text{ W}$, what is the resistance in the heating element of the iron?

Science 122

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1. Check -> MC - Intro to End of Hand Rules
 2. Two Current Carrying Wires - Review
 3. Topics - Start to End of Electric Motors
 4. Magnitudes of Magnetic Fields
 5. [Worksheet - Magnetic Field Produced by a Wire](#)
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6. Force on a wire in a Magnetic Field
 7. Worksheet - Force on a wire in a Magnetic Field
 8. Magnetic Force on a Single Charged Particle
 9. Worksheet - Magnetic Force on a Single Charged Particle
 10. Magnetic Fields and Circular Paths