

Science 9

Thursday, September 26/19

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Student Data Collection Sheet - Return ASAP

Terry Fox – Friday 2nd Half of Period 1 (\$2 to participate)

1. SA – Scientific Notation and Conversions – Friday, Sept. 27/19
2. STEM


312-2 -> Describe and classify the major components of the universe: nebulae, galaxies, giant stars, dwarf stars, quasars and black holes.

3. Read "The Life Cycle of Stars" Handout
 4. Cooperative Learning Activity:
Concept Map - The Life Cycle of Stars
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5. Galaxies and Their Classification
Pinwheel Galaxy Pinwheel
6. Quasars

Physics 112

Thursday, September 26/19

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1. SA - Basic Knowledge and Skills
SA Redo - Today at Noon
 2. Questions?
Worksheet: U1-S1 → Vector Analysis
 3. FA - Vectors and Scalars
 4. FA - U1 S1: Calculate \mathbf{R} -> Deadline: Monday, Sept. 30/19
 5. Learning Targets: U1-S1 -> Complete (See Next Page)
 6. Unit 1 - Section 2: Graphical Analysis
 7. Handout: Types of Motion
 8. Directions of Velocity and Acceleration - To Be Continued
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9. Handout: Describe the Motion of a Vehicle
 10. Handout: Position-Time Graphs
 11. Handout: Velocity-Time Graphs

Section 1: Vector Analysis

Code	Learning Targets (I can...)
K1.1	define mechanics
K1.2	define kinematics
K1.3	distinguish between vector and scalar quantities
K1.4	identify directions that are conventionally positive and negative
K1.5	use vector notation when appropriate
K1.6	use arrows to graphically represent vector quantities

Code	Learning Targets (I can...)
K1.7	state the definitions, types of quantities, variables and units of various physical quantities
K1.8	define the resultant of two or more vectors
K1.9	determine the resultant of vectors graphically using both the tip-to-tail method and the parallelogram method
K1.10	demonstrate that the order in which vectors are added does not matter
K1.11	determine the range of the magnitudes of all possible resultants given the magnitudes of two vectors
K1.12	analytically determine the resultant of two perpendicular vectors

Physics 122

Thursday, September 26/19

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Grad Meeting Friday 11:15 am

1. Question?

Worksheet - 2D Force and Static Torque Problems

-> Mandatory: Push/Pull Problems-> Mandatory: Suspended Object Problems-> Mandatory: Inclined Plane Problems

2. FA: Pull/Push Problem -> LC was due Sept. 19/19.

FA: Type II - Susp. Object -> LC was Wed., Sept. 25/19.

FA - Type III - Inclined Plane Problem - Deadline: Mon., Sept. 30

FA - Force Problems: Type I, II and III (Extra)

3. Unit 1 - Section 2: Static Torque Problems

4. Define Center of Mass & Video Clip: Fosbury Flop

5. Define Translational and Rotational Motion

6. Define Torque and Net Torque

7. Examples: Type I - Static Torque Problems - To Be Continued

8. Examples: Type II - Static Torque Problems9. Worksheet - 2D Force and Static Torque Problems

10. SA - Unit 1: S1 &2 -> Next Week

Science 10

Thursday, September 26/19

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<http://mvhs-sherrard.weebly.com/>

1. Return:
SA - Your Name in Chemical Symbols
- Due: Sept. 23/19
- 3 Days Late
 2. Examples - Ionic Compounds Containing Multivalent Metals
- Continue
 3. [Worksheet #4: Ionic Compounds Containing Transition Elements](#)
 4. Recap: Types of Ions
 5. Identify Types of Ions
 6. [Worksheet #5: Ionic Compounds Summary](#)
 7. Worksheets - Lots of Ionic Naming Practice Problems (Extra)
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8. FA - Mixed Ionic Compounds
 9. Reminder: Forming Ionic Bonds
 10. Handout: Covalent Bonds
 11. Handout: Diatomic Molecules
 12. Handout: Naming Binary Molecular Compounds
 13. Worksheet - Binary Molecular Compounds #1
Worksheet - Binary Molecular Compounds #2
 14. Ionic vs. Molecular Compounds
 15. Handout: Topics: SA - Chemistry #2
 16. Review for SA - Chemistry #2