

Science 122

Wednesday, September 21/16

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Today - AARO Grade 11's (1:20 - 2:05)

Grade 12's (2:10 - 3:15)

Thursday - Lockdown Drill - P3

1. Cyclotron
2. Worksheet - Circular Trajectories and Applications
3. FA - Magnetic Fields to Circular Trajectories and Applications

4. Electromagnetic Induction
5. Induced Electromotive Force
6. Self-Inductance
7. Mutual Inductance
8. Transformers

Physics 112

Wednesday, September 21/16

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1. **Summative Assessment - Basic Skills**
- Today, Sept. 21/16
 2. Experiment 2.1 - Measuring Length (Page 3)
- **Due: Thursday, Sept. 22/16**
 3. Mechanics - To Be Continued
 4. Types of Physical Quantities
 5. Vectors: Direction, Notation & Representation - To Be Continued
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6. Adding Vectors Graphically
 7. Worksheet - Order of Vector Addition
 8. Range of Resultant Magnitudes
 9. Review - Law of Pythagoras
Primary Trig Ratios

Physics 122

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Thursday - Lockdown Drill - P3

1. Return -> FA - Type II - Complex
2. Worksheets - Force Problems: Type I, II and III
Extra Type I, II and III Force Problems
3. Experiment 5.2 - Friction
 - Cover Sheet
 - Report
4. FA - Assignment - Type I, II and III Force Problems
 - Friday Sept. 23/16

FA - Type II Force Problem

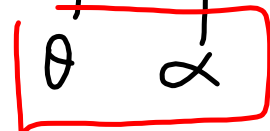
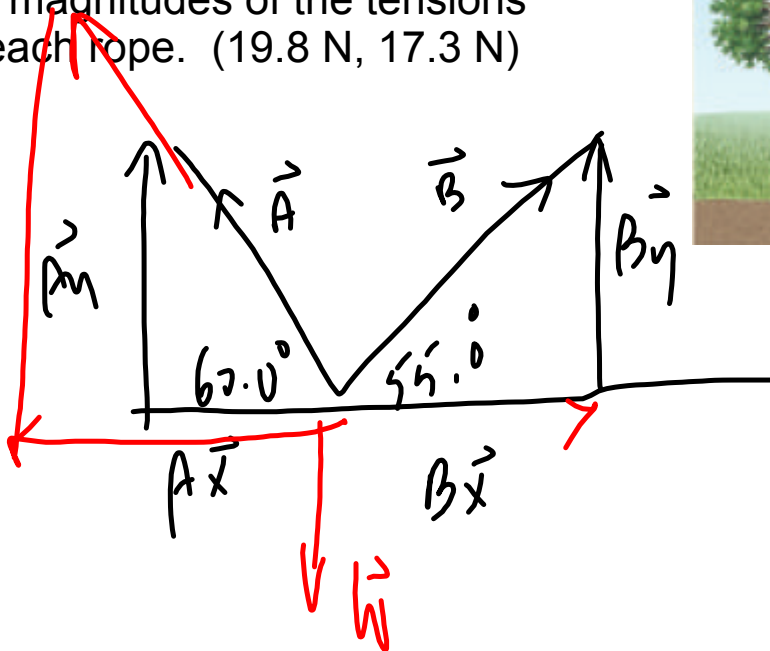
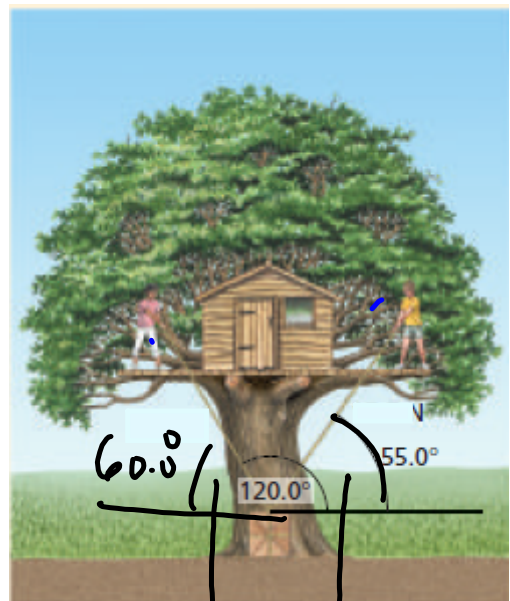
Tuesday, Sept. 20/16

M - met

O - on your way

B - beginning

Alfie and Chrissy are going to sleep overnight in their tree house and are using some ropes to pull up a box containing their pillows and blankets, which have a total mass of 3.20 kg. The girls stand on different branches and pull at the angles shown. Find the magnitudes of the tensions in each rope. (19.8 N, 17.3 N)



Science 10

Wednesday, September 21/16

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1. **Assignment - Your Name in Chemical Symbols**
 - Due: Friday, Sept. 16/16
 - 3 Days Late
 2. Check -> Worksheet #3 - Ionic Compounds Containing Polyatomic Ions
 3. Transition Elements
 4. Multivalent Metals and Their Ions
 5. Ionic Compounds Involving Multivalent Metals - To Be Continued
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6. Worksheet #4 - Ionic Compounds Involving Multivalent Metals
 7. Recap - Types of Ions
 8. Worksheet #5 - Ionic Compounds Summary
 9. Assignment - All Types of Ions and Ionic Compounds
 - Friday, Sept. 23/16