Science 10

Tuesday June 6/17

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1. Assignment - Tangled Web: 5 Days Late
2. Article - Indicator Species: 3 Days Late
3. Last Assignment - Wednesday, June 7/17
4. Practice Exam - Physics and Chemistry
5. Roller Coasters

Physics 112

Tuesday, June 6/17

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1. Exam Review - Impulse-Momentum Theorem
2. Total Internal Reflection - Continue
3. Worksheet - Refraction
4. Last Assessment!
   SA - U4S2 -> Thursday, May 8/17
5. Optional Assessment - Friday, May 9/17
6. Review Problems for Final Exam

Exam Review - Impulse-Momentum Theorem

A 2.0 kg skateboard is rolling across a smooth, flat floor when a boy kicks it, causing it to speed up to 4.5 m/s in 0.50 seconds without changing direction. If the force exerted by the boy on the skateboard in its direction of motion was 6.0 N, with what initial velocity was it moving?

Physics 122

Tuesday, June 6/17

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1. Worksheet - Series Circuits
   Worksheet - Parallel Circuits

2. Combination/Complex Circuits

3. Worksheet - Complex Circuits

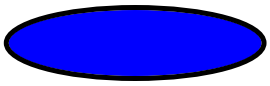
Exam Review - Relative Velocity

A boat heading due south crosses a river with a velocity of 3.0 m/s relative to the water. The river has a uniform velocity of 1.52 m/s due west. The river is 45 m wide.

a) Determine the boat's velocity with respect to an observer on shore.

b) How far down stream is the boat once it makes it to the other side if the river?

Exam Review - 2D Collision



A 4.0 kg object is travelling south at a velocity of 2.8 m/s when it collides with a 6.0 kg object travelling East at a velocity of 3.0 m/s. If these two objects stick together upon collision, at what velocity do the combined masses move immediately after they collide?