

Physics 4th Period

Plan for the Week of March 30th

Monday

Current

Using the previous notes on current, complete the following questions on Quia. You have as many attempts as you like.

<http://www.quia.com/quiz/7652843.html>

Tuesday

Ohm's Law

Using the previous notes on Ohm's Law, complete the following questions on Quia. You have as many attempts as you like.

<http://www.quia.com/quiz/7652893.html>

Wednesday

Electric Power

Power is measured in Watts and is defined in electricity as the current times the voltage. $P = IV$.

Because we also have $V = IR$ from Ohm's Law, we can make substitutions.

We can also solve for power using $P = I^2R$, and $P = V^2/R$.

Solve the following problems on Quia. You have as many attempts as you like.

<http://www.quia.com/quiz/7653905.html>

Thursday

Cost of Power

The Cost of Electric Power can be found with the following formula:

$$\text{Cost} = \text{Power (kW)} \times \text{time (hr)} \times \text{Rate (\$/kW}\cdot\text{hr)}$$

Solve the following problems on Quia. You have as many attempts as you like.

<http://www.quia.com/quiz/7653935.html>

Friday

Series and Parallel

Use the link below and watch the Crash Course video on Series and Parallel Circuits.

https://www.youtube.com/watch?v=-w-VTw0tQIE&list=PL8dPuuaLjXtN0ge7yDk_UA0ldZJdhwkoV&t=0s