

# Somerset November 2014

## Physics Weekly tasks

### Weeks 1 - 2



1. Go through the PowerPoint presentation on Energy.
  - a. Understand the different meanings of the different forms of energy (examples are kinetic energy, chemical energy, etc.)
  - b. Try answering the questions on the slides.
  - c. The correct answers will be posted in [www.physicsforever.weebly.com](http://www.physicsforever.weebly.com) on November 3.
2. Visit the website to participate in the **Week 1-2 forum for IGCSE 1**. The forum will be made available on November 3. Participation in the forum will be marked as class participation.
3. Take pictures of the things you see in Somerset that are related to energy.
  - a. Make a digital poster (using MS Publisher, MS PowerPoint, or any other poster-making software) of the different forms of energy you see in Somerset. Label each form correctly on your poster.
  - b. A sample of the poster and the rubric to evaluate it with will be posted on the website on November 3.
  - c. Posters must be sent electronically via [www.physicsforever.weebly.com](http://www.physicsforever.weebly.com) under **Contact** tab on or before midnight (Yantai time) November 20. File sizes should not exceed 25 MB.
  - d. Posters will be marked as Unit test. Late submission will be penalized with a 1-point deduction from total score for every day it is delayed.

For questions, please contact me through the website.

### Week 3

1. Watch the video on Energy Resources as a review.
  - a. Go through the PowerPoint presentation on Power and Efficiency.
  - b. Try answering the questions on the slides. The correct answers will be posted in [www.physicsforever.weebly.com](http://www.physicsforever.weebly.com) on November 17.
2. Answer the worksheet on Work, Energy and Power.
  - a. Worksheets will be marked as homework.
3. Visit the website to participate in the **Week 3 forum for IGCSE 1**. The forum will be made available on November 17.

For questions, please contact me through the website.

### Week 4

1. Visit <http://phet.colorado.edu/en/simulation/states-of-matter-basics> and run the simulation on states of matter.
  - a. Complete the experiment sheet on states of matter.
  - b. This will be marked as class participation.
2. Go through the PowerPoint presentation on States of Matter, including the videos on solids, liquids and gases.
3. Visit the website to participate in the **Week 4 forum for IGCSE 1**. The forum will be made available on November 24.

For questions, please contact me through the website.

## Important reminders:

\*All slides, worksheets and other files related to your tasks may be downloaded from [www.physicsforever.weebly.com](http://www.physicsforever.weebly.com) starting November 3.

\*Papers must be submitted immediately upon coming back to class. Late submission will be penalized with a 1-point deduction from total score for every day it is delayed.