

PHYSICS ENERGY TRANSFER SECTION

Your homework for this block will involve the following skills

Research, Revision, Recording, Problem Solving

Task 1 a & b (date due:)

a) Complete a HEAT title page on the first page of your jotter.

b) Find out about HEAT CONDUCTION and good and bad conductors of heat. List as many examples in your house of materials chosen to be conductors or insulators of heat. For example a duvet is made from feathers which are good insulators. A kettle element is made from a good conductor of heat. Write as neat as possible, you will be marked on presentation.

Task 2 (date due:)

Find out about CONVECTION and where it has played an important part in life. Give some examples of convection.

Task 3 (date due:)

Find out about HEAT RADIATION. What is heat radiation, how can it be detected and give some examples of where it is important.

Task 4 (date due:)

Write up your results from your investigation so that you can present this to the class. This can be in the form of a power point presentation but could be a large poster or a talk.

Rules for power point presentations

- *If your presentation is going to be displayed on a smartboard then use a dark background colour*
- *Only put the main points in a power point. You should be talking through these points in your explanation*
- *Do NOT get so hung up about noises and animations that you do not concentrate enough on content.*

Task 5 (date due:)

Enterprise task- this is given on the sheet

Task 6 (date due:)

Logic Problem Sheet

Task 7 (date due:)

Revise for a test on Heat Loss from Houses

Extension Tasks

1. Scaling Tutorial

2. Find out about the price of insulating a home