



Science

Theme: Insulation and Energy Transfer

Summer 2 Week 7

Class 8

Activity One

Work through PowerPoint for Home Insulation completing activities as you work through it.

Complete worksheets in correct order which is highlighted on the PowerPoint in orange.

Activity Two

Create a visually pleasing poster describing the difference in energy transfer between **Conduction, Convection and Radiation**.

Use the following web link to help you:
<https://www.bbc.co.uk/bitesize/guides/ztrrd2p/revision/1>

Activity Three

Use the following link to research the 1996 Everest Disaster: <https://basecampmagazine.com/2016/12/31/the-1996-everest-disaster-the-whole-story/> where several climbers died trying to summit the mountain. They died due to extremely severe weather and thus their clothing was no sufficient to maintain their normal body temperature.

Complete the following activities:

1. Write a journal blog (diary entry) as if you were one of the climbers, recalling their experiences of the extremely low temperatures.
2. Design clothing/equipment that would have helped the climbers survive those extreme conditions – think about insulation when you complete this activity.