Year Group: 10 Term: 3 (Energy resources)

We are learning:

1. **Power – How quickly energy is transferred or work is done:**
   $P=Et$
2. **Efficiency – How much of the input energy is usefully transferred:**
   Efficiency=Useful output/Total input
3. **Reducing Energy Waste – Using insulation, lubrication, and efficient appliances to reduce unwanted energy transfers.**
4. **Thermal Conductivity – How well a material conducts heat; important in insulation and building design.**
5. **Specific Heat Capacity – Energy needed to change the temperature of a substance:**
   $E=mc\Delta T$
6. **Heating and Cooling – Energy transfer through conduction, convection, and radiation.**

How can you support your child:

- Encourage them to make revision posters on each of the sub-topics within the topic.
- Encourage them to make cue cards with questions and answers on all the sub-topics.
- Encourage them to use the notes, videos, and quizzes, on BBC Bitesize.
- Encourage them to use Seneca Learning to supplement and secure their knowledge on the topic.

Try asking them:

Useful Links:

Senecal Learning = https://senecalearning.com/en-GB/

BBC Bitesize = GCSE Physics (Single Science) - AQA - BBC Bitesize

Kerboodle = www.kerboodle.com