

The Punjab School-DRC
Class 7th
Science- Vacation Engaging Task

1. Explain why a spark from a fire work will not heat you as much as a cup of hot tea.
2. What is heat, what are units of heat energy called?
3. What is temperature? How is temperature measured?
4. Describe how the movement of particles changes as temperature of a substance changes.
5. What is absolute zero?
6. What is Kelvin?
7. Define Kelvin scale?
8. Define Celsius scale.
9. Which materials make the best conductors of heat?
10. What is an insulator? Name any three insulators.
11. Explain how heat is conducted along metal bar.
12. Define convection current.
13. Define convection.
14. Why liquids and gases carry heat?
15. Explain how a heater warms all the air in a room.
16. Why do you think it takes a long time to heat a room with high ceiling?
17. Why do you think convection cannot happen in solids?
18. What are emitters and absorbers?
19. Explain why in hot countries, houses are often painted white?
20. Explain how aluminium foil help keeps food warm.
21. Draw working diagram of solar panels.