Applied Science Transition Work

# Task 1

1. Draw and label particle diagrams of solid, liquids and gases including state changes
2. Describe and explain how substances change state for: boiling, condensing, freezing, melting

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# Task 2

1. Watch the video <https://www.youtube.com/watch?v=LWCAEVIMt7g>   
   Describe the method

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1. A scientist obtained some data from following the method. Plot the data onto the graph.

|  |  |
| --- | --- |
| Time (minutes) | Temperature (°C) |
| 0 | 10 |
| 5 | 20 |
| 10 | 30 |
| 15 | 40 |
| 20 | 50 |
| 25 | 60 |
| 30 | 65 |
| 35 | 70 |
| 40 | 70 |
| 45 | 70 |
| 50 | 75 |
| 55 | 80 |

# http://www.pbs.org/wgbh/nova/teachers/activities/images/3406_solar_blankgraph.gifTask 3

Evaluate the accuracy of: the method in the video from task 2, the data obtained in task b.

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Additional space

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