

Applied Science Level 3 (National Extended Certificate)

It is essential that you complete the tasks within this transition document and present them to your class teacher in your first lesson at the start of the new academic year. These tasks will support your understanding of key concepts that you will be tested on in the induction assessments, taken within the first 3 weeks, that ultimately decide if you are suitable to continue on this course.

Units/Topics	Supporting Links	Reading
Cooling curves	Unit Specification: https://qualifications.pearson.com/content/dam/pdf/BTEC-Nationals/Applied-Science/2016/specification-and-sample-assessments/BTEC-L3-Nat-ExtCert-in-Applied-Science-Spec.pdf	Content summary: https://studyrocket.co.uk/revision/level-3-applied-science-btec/practical-scientific-procedures-and-techniques/cooling-curves
TASK 1: a) Draw and label particle diagrams of solid, liquids and gases including state changes b) Describe and explain how substances change state for: boiling, condensing, freezing, melting	TASK 2: a) Watch the video https://www.youtube.com/watch?v=LWCAEVIMt7g Describe the method b) A scientist obtained some data from following the method. Plot the data onto the graph.	TASK 3: Evaluate the accuracy of: the method in the video from task 2, the data obtained in task b.

Know your why –
Why Science?
<https://www.bbc.co.uk/bitesize/groups/ce8q155gnd3t>

<https://www.technicians.org.uk/>

Further Research 	https://www.bbc.co.uk/bitesize/guides/zh7sfcw/revision/1	Further Listening 	https://www.rsc.org/policy-evidence-campaigns/brought-to-you-by-chemistry-podcast/ https://thebiologist.rsb.org.uk/biologist-features/12-of-the-best-podcasts-for-biologists	Further Watching 	https://www.youtube.com/watch?v=bOuEJf8Dr_4 https://www.youtube.com/watch?v=1hC70ei5Vu0
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