

# Pre Learning

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## Subject: Digital Enterprise

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### Year 8:

Computer science is a subject which is becoming increasingly popular due to the high demand for computer programmers. Complete the table below about the key computer scientists by finding out what they were responsible for creating and when did they create their invention:

Sir Tim Berners Lee	Charles Babbage
Alan Turing	George Boole

Pre Learning

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Subject: DT

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Year: 8

This question is about materials.

a) Explain the difference between a hardwood and a softwood.

[2 marks]

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b) State the specific names of two types of hardwood and two types of softwood.

[4 marks]

Hardwood 1 .....

Hardwood 2 .....

Softwood 1 .....

Softwood 2 .....

c) Explain how manufactured board is different from natural timber.



[2 marks]

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# Pre Learning

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Subject: Music

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Year: 8

Listen to and analyse, in the table below,  
Eine Kleine Nachtmusik 3<sup>rd</sup> Movement by  
Mozart, [https://www.youtube.com/watch?v=\\_al2Jbprp2w](https://www.youtube.com/watch?v=_al2Jbprp2w).

Element	
Dynamics	
Rhythm	
Pitch	
Structure	
Melody	
Instrumentation	
Harmony	



# Pre-Learning

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Subject: KS3 Food

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Year: 8

Make a dish that is rich in protein but can be eaten by a vegetarian.

Photograph your dish and gather people's opinions on it.

# Pre-Learning

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## Art KS3

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### Year 8:

'Artist links' are of high importance in a GCSE and refer to 25% of overall marks. They bend and shape the way our work develops over the year and are often the missing link we need to create exciting, high quality and different work.

Create 'Artist Link' pages (Minimum A3) that shows us what or who the artist is looking at, try the techniques using the same or similar medium (paint, pencil, chalks etc) and write a little about what you think about the work, important or exciting things you find out about them. Most important of all – make the sheets look creative and exciting...experiment!

# Pre Learning

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## Subject: English

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### Year: 8

You will soon be studying creative writing. Conduct the following research to help you:

1. Define the terms: imagery, flashback, circular narrative.
2. Research what techniques make descriptive writing successful.
3. Higher challenge. Practise your creative writing by composing a description based on the following image:



© National Pictures / Jack Taylor



# Pre Learning

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## Subject: Geography

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### Year: 9

Task 1: Use three colours to annotate the photographs below to explain the social, economic and environmental issues experienced in the UK following the 'Beast from the East'.



# Pre Learning

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## Subject: History

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### Year: 8

Task 1: Find a timeline of events associated with Weimar Germany (1918-1934).  
Choose 3 events; describe what happened at these events!

## Weimar Germany Revision Timeline

- 1918** - WW1 ends (**11/11/1918** – Armistice signed)  
Kaiser Wilhelm II abdicates
- 1919** - Weimar Republic begins (Ebert elected first President)  
Spartacist Uprising  
Treaty of Versailles signed
- 1920** - Freikorps Kapp Putsch (**March 1920**)
- 1923** - Failure to pay reparations leads to occupation of Ruhr (**January 1923**)  
Passive resistance by workers in Ruhr  
Hyperinflation  
Gustav Stresemann becomes Chancellor, calls off passive resistance, introduces new currency, Rentenmark  
Munich Putsch (**November 1923**) Hitler imprisoned in Landsberg Prison
- 1924** - Dawes Plan
- 1925** - Locarno Treaties
- 1926** - Germany accepted into League of Nations  
Censorship relaxed (writers, artists, cinema, cabaret, architecture flourished, e.g. Bauhaus style of design, artist George Grosz, actress Marlene Dietrich etc)
- 1927-28** German economy recovering
- 1929** - Young Plan  
Wall Street Crash (**29<sup>th</sup> October 1929**) Depression, 6 million Germans unemployed



# Pre Learning

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## Subject: Science

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### Year: 8

Choose one of the following topics, research information about it and produce a set of notes.

1. How knowledge about the structure of the atom has changed over time
2. The structure and role of organelles in an animal cell
3. The 9 forms of energy