

Autumn 2- Inventions

M10 To explore the different ways we can find out about the past and how to understand the evidence

I can handle and discuss artefacts

I know some of the ways inventions of the past have affected my local area
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M11 How significant events, developments or individuals and groups have influenced their locality, the UK and beyond in the recent and distant past

I can research inventions through time
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I can place inventions on a timeline

I know some of the debates about who and when things were invented
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Computing

I understand that computers are linked in networks
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I know the function of a network switch

I can identify the switch, servers and router in a network
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I can describe how data is communicated on the internet

I can use the command prompt

I can use the ipconfig, ping, tracert and nslookup commands

I can describe some of the ways safety might be compromised on networks

Understanding the Arts

M1 to use their senses in the world around them, to stimulate and develop imaginative ideas that inform their creative work individually and working with others.

I can use my own imagination to inform my creative work

I can use my imagination to contribute to collaborative work
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M4 to create and present work in a variety of digital forms (filming inventions)

I can use a camera to create and present work

I can use the computer to create and present work

M6 to explore a range techniques, materials, processes and media, including digital media, to draw, sculpt, model, design, paint and print.

I can explore ideas using the internet
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I can take photographs to gather ideas
--

I can use a range of techniques to produce art and design work
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Scientific and technological understanding

M1 to explore and investigate in order to collect data, analyse it and identify patterns

I can investigate different materials and their properties

I can collect and analyse data

I can identify similarities between materials

M2 to use their knowledge and research to inform designs for functional products and plans for investigations.

I can use my research to plan an investigation

M4 to offer simple explanations for their findings

I can explain my findings simply

M12 to identify, group and select materials using properties and behaviours that can be tested, and identify and group living things using observable features and other characteristics.

I can group materials according to properties

I can test materials to identify properties

Design and technology

M6 to explore a range of techniques, materials, processes and media, including digital media, to draw, sculpt, model, design, paint and print.

I can use different techniques to design a package

I can use computer skills to design a package

I can put a net together

I can use advertising techniques to make my packaging attractive

M7 to design and create images and artefacts in response to their personal ideas and for clearly defined purposes

I can design and create my own package

M8 to refine their use of techniques, materials and media

I can analyse different materials for various packages

I can use different methods to join materials

Discrete

Outdoor P.E. (Tag Rugby)

M10 to follow and apply more complex rules in a range of competitive and cooperative games and physical activities

I can create my own rules for games

I can follow rules of a game

I can cooperate in a game

I can improve my sportsmanship

M11 to develop physical skills and techniques through observation, evaluation and refinement, and to use repetition and practice to reach higher standards

I can learn techniques through observation
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I can practice and improve a technique
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I can aim for higher standards

I can evaluate my techniques

Religious Education

I know and can describe the 5 pillars of Islam
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I can describe what it means to be a Muslim.
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I can describe how Muslims express their belief in practice.
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I can talk about the Prophet Mohammed's teachings and how it affects Muslims.

I can compare and contrast the teachings of Islam with my own belief system.
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I can respond sensitively to others' questions or statements about religious beliefs.

Gymnastics (Symmetry/Asymmetry)

M9 to control and coordinate their bodies and movements with increasing skill and confidence

I can improve my bodily control

I can gain confidence in movements.

I can practise and improve my skills

M11 to develop physical skills and techniques through observation, evaluation and refinement, and to use repetition and practice to reach higher standards

I can learn techniques through observation
--

I can practice and improve a technique
--

I can aim for higher standards

I can evaluate my techniques
