



Mastery across the Curriculum

Maximum Effort for Maximum Achievement

Buttsbury Junior School

Mastery across the Curriculum

A mastery curriculum, is a curriculum that provides children with the opportunity to go beyond learning subject knowledge and recalling facts, and one that provides children with the opportunity to apply their learnt skills and knowledge independently, to new, increasingly more complex situations. Any child, of any ability, in any subject has the opportunity to show mastery of their learning.

At Buttsbury Junior School we believe that mastery is '**Applying what you have learnt to a new situation**'. We provide mastery opportunities for our learners throughout the curriculum, in all year groups. Our mastery curriculum is underpinned by Bloom's Taxonomy. The taxonomy is used to develop higher order thinking skills through effective differentiation; creating depth and progress across a unit of learning and used to stimulate deeper thinking from pupils when feedback is given.

1. Literacy
2. Maths
3. Science
4. Computing
5. Physical Education
6. Religious Education
7. History
8. Geography
9. Art
10. Design Technology
11. Foreign Languages
12. Personal Social Health Education
13. Music



Mastery in Literacy at Buttsbury Junior School

Effective mastery in Literacy reflects independent learning, by all pupils of all abilities, which demonstrates creativity, imagination and innovation across a range of genres.

Blooms' questioning during lessons ensures that pupils can think deeply about a text or area of focus. Children are encouraged during debates and discussions to develop their responses and justify their opinions.

The use of high quality texts and approaches in reading such as Class Novels and whole class comprehension are used to promote a love of reading. Pupils who are working at mastery level are able to confidently deduce and infer information and make connections across texts. Pupils also analyse authors intent and choice of writing techniques and can confidently explain the impact of these on the reader.

Planning longer sequences allows children to know a book inside and out, to look at how writers use language, sentence and text structure to impact on the reader and use them as models for their own writing.

When mastery is achieved in writing, children will demonstrate an awareness of purpose and audience beyond the modelled examples given.

Pupils who achieve mastery in writing consider the impact of what they produce on the reader and they can justify their reasons for vocabulary choice and sentence and paragraph structures.

Grammar, punctuation and spelling are taught explicitly and in context across the curriculum. When pupils are working at greater depth, they can apply the skill confidently, accurately and effectively in a range of writing.

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Mastery in Maths at Buttsbury Junior School

Effective mastery in Mathematics encourages all pupils, regardless of ability, to think deeply and apply their skills to new, and increasingly complex situations.

Precise questioning during lessons ensures that pupils develop fluent reasoning skills and provide opportunities to think deeply about the underpinning mathematical concepts. They are also able to justify through reasoning.

Pupils who are demonstrating mastery in Mathematics are able to select appropriate methods to solve problems efficiently and can explain their choices to others.

Investigations and word problems during lessons ensure that pupils can develop problem-solving skills and logical thinking. They are able to apply their skills and knowledge that they have learnt in Maths lessons.

As a result of this, pupils have the ability to demonstrate resilience when the task is demanding and apply their knowledge in other areas of the curriculum.



Mastery in Science at Buttsbury Junior School

Effective mastery in Science encourages all pupils to think about the world around them and explain how and why things work, regardless of their ability.

Through higher order questioning in lessons and Bloom's questions in teacher feedback, this ensures that pupils are thinking and applying their understanding to increasingly more complex situations.

Pupils are given opportunities to apply their understanding of Science in practical activities in which they investigate an open-ended question. They will generate data and try to explain what it means and compare their data with others. Pupils who demonstrate Mastery, will be able to develop a question and consider ways in which it could be investigated.

In conclusions, pupils give well thought out reasons based on their results and consideration is given to how accurate and reliable the results are. The use of other curriculum areas will be used to develop ideas (e.g. mathematics is used to compare data or present the data as a graph when appropriate).

As a result of this, pupils have a deep understanding of the concepts covered including the social, moral, spiritual and cultural aspects as appropriate to the topic. Additionally, pupil will develop a resilient attitude towards Science and apply their understanding to new and different situations.



Mastery in Computing at Buttsbury Junior School

Effective mastery in Computing encourages all pupils to consider the real world application of the subject, both in and out of school.

Children are able to apply their skills and knowledge that they have learnt in Computing lessons and apply these independently.

Open-ended questioning and investigations during lessons ensures that pupils can develop problem-solving skills, logical thinking and demonstrate resilience when the task is demanding.

Pupils who are demonstrating mastery in Computing are able to select from a range of high quality technologies and multimedia devices to complete their task and explain their choices to others.

As a result of this, pupils have a resilient attitude towards Computing and its applications across a wider curriculum. They are able to confidently use a range of IT resources and develop their analytical minds through research, investigations and collaborative learning.



Mastery in Physical Education at Buttsbury Junior School

Effective mastery in PE encourages all pupils, regardless of their ability, to apply a broad range of skills, across a wide range of different sports. Those who achieve mastery in PE are also able to articulate and demonstrate the importance and impact of exercise on creating and maintaining a healthy lifestyle.

Pupils who show mastery in PE are able to self-differentiate their learning by utilising a variety of materials and resources to enable them to access their learning.

Children who are working at mastery level in PE will take on the role of an expert to help support those that do not have a broad knowledge of the sport; help to develop skills through modelling techniques and share their understanding.

When children are demonstrating mastery they should be able to take the individual skills they have learnt through a sequence of lessons and apply them to game or performance scenarios, as well as transferring the skills between sports.

Pupils will evaluate performance and skill development through peer and self-assessment, giving both positive and critiquing statements, orally and written.



Mastery in Religious Education at Buttsbury Junior School

Effective mastery in RE encourages all pupils, of all abilities, to think deeply about their own personal values and beliefs, as well as those of others.

Higher order questioning during lessons ensures that pupils can reflect on spiritual and ethical issues.

Children of all abilities are encouraged to ask their own deep thinking questions and are given time to contribute to and respectfully challenge peer discussions and debates.

Pupils who are working at the mastery standard in RE compare and contrast customs and beliefs from one religion to another.

The use of high quality resources such as artefacts, texts and pictures are used to stimulate curiosity and deep thinking ideas.

As a result of this, pupils have a deep understanding of the actions, views and beliefs of others from a range of cultures who may have different viewpoints, customs and beliefs to their own. Pupils will also draw upon their SMSC knowledge and develop a sound moral compass.



Mastery in History Education at Buttsbury Junior School

Effective mastery in History encourages all pupils to think critically about the past and evaluate the impact of historical events on the modern world.

Pupils are able to compare and contrast customs and beliefs from one society to another.

Pupils can empathise with people of the past and analyse their motivation and decisions.

Pupils can select the most appropriate source of evidence; evaluate the reliability of sources and form their own opinion about historical events from a range of sources.

As a result of this, pupils will have comprehensive understanding of the past and develop critical thinking skills.



Mastery in Geography at Buttsbury Junior School

Effective mastery in Geography enables children to be able to make comparisons, showing their understanding of geographical similarities and differences through the study of the human and physical world.

Higher order questioning during lessons ensures that pupils can reflect on prior knowledge so they have the opportunity to apply their understanding between the units of study.

The use of high quality resources such as GIS, atlases, Ordnance Survey maps and photos are used to stimulate curiosity and deep thinking ideas so that all children can access mastery activities. Children will be given opportunities to apply their knowledge through decision-making activities e.g. in the creation of maps, understanding viewpoints and justifying decisions.

Children ask their own deep thinking questions and are given time to contribute to peer discussions and debates taking into consideration factors such as spatial, economic, environmental and social implications.

As a result of this, pupils will have a deep understanding of the world around them.



Mastery in Art at Buttsbury Junior School

Effective mastery in Art is when all pupils, regardless of ability, are able to apply and adapt their knowledge and understanding to express themselves in a personal and innovative way.

Effective mastery in Art enables all pupils to think deeply about artwork and develop their visual vocabulary.

Open ended and higher order questioning during lessons ensures that pupils can reflect on spiritual and ethical issues when exploring art from other times and cultures. In addition, children ask their own deep thinking questions.

Pupils compare and contrast methods and styles from one artist/painting to another. Thus leading to self-expression and innovation.

Pupils research, record and reflect upon their own work and evaluate/adapt over a period of time.

Pupils explore new techniques and develop precision in the use of a range of tools and techniques.

As a result of this, pupils have a deep understanding of the influences, style and inspiration of artists, designers and craftsmen from a range of times and cultures and can use this understanding to express themselves purposefully and creatively.



Mastery in Design Technology at Buttsbury Junior School

Effective mastery in Design Technology encourages all pupils to be resourceful and to explore and evaluate properties of materials to create a product. They are aware of SMSC issues relating to the sustainability and recycling of materials and their collection.

Pupils create effective links across the integrated Design and Technology process which includes: research, design, creating a prototype, reevaluate, creating a final product and evaluation. The children are able to relate their teaching into wider facets of manufacturing.

They are able to reflect on their designs and prototypes to identify problems and seek appropriate solutions. Children are able to evaluate their choice of materials and the making process, as well as work from their peers.

Pupils are able to select tools to create their products independently based on their knowledge and reasoning of the design specification.

“Experts” are used in lessons to share specific skills to promote greater learning and understanding and develop methods for key manufacturing issues. As a result, children can apply facts and skills learnt to solve problems in the real world. Children are able to apply a range of practical skills from other subjects, including: accurate measurements, understanding of material properties and resourcing of materials.



Mastery in Foreign Languages at Buttsbury Junior School

Effective mastery in Foreign Languages leads to an understanding of another language and culture. Texts and resources in the target language (French) are provided to encourage and stimulate interest in language learning for all children. Regardless of their ability, all pupils are challenged through the opportunity to study genuine French texts and songs.

Pupils demonstrate accurate reading and listening skills. Furthermore, they compare and contrast the vocabulary and grammar rules of English with those of French; they identify similarities and differences in order to apply these rules accurately and demonstrate a deeper understanding of the grammar in both their own and the target language.

Vocabulary and sentence structures are provided to the pupils throughout the teaching sequence. They are then able to independently apply their knowledge to both structure their own sentences and to talk about other topics and therefore demonstrate mastery.

Real life scenarios are included throughout the teaching sequences to allow children to apply their language knowledge, for example greetings in Year 3 and letter writing to the Head teacher in Year 6 on the topic of school uniform, giving their learning purpose.

As a result of this, children develop a deeper understanding of language learning and an understanding of another culture and language.



Mastery in PSHE at Buttsbury Junior School

Effective mastery in PSHE encourages all pupils to consider their own personal values and beliefs, as well as those of others.

Pupils are provided with the opportunities to ask and respond to a variety of higher order questioning that reflect on their own values and opinions. Pupils are able to challenge the beliefs and ideas of their peers in a diplomatic manner.

Children ask their own deep thinking questions and are given time to contribute to peer discussions and debates.

Pupils learn deep, rich and coherent 'powerful knowledge' that they are then able to transfer to other areas of the curriculum and in the wider world.

A variety of stimuli is used to stimulate curiosity and deepen thinking. Children are able to apply these to a variety of written and practical activities within lessons. Pupils are encouraged to compare and contrast their own thoughts and opinions with others in a calm and respectful manner. As a result of this, pupils have a deep understanding of the actions, views and beliefs of others and the world around them.



Mastery in Music at Buttsbury Junior School

Effective mastery in Music encourages all pupil, regardless of their ability, to think deeply and reflect on their musical preferences across a range of genres.

Higher order questioning during lessons ensures that pupils can reflect and explore a range of different musical techniques.

Pupils are able to compare and contrast different styles of music from a range of cultures and historical periods, including the work of the Great Composers.

Pupils self-select from a range of high quality resources, including both tuned and untuned instruments, and use recording equipment effectively. They are able to articulately evaluate their own performance and the performances of others, demonstrating musical knowledge and understanding.

As a result of this, pupils demonstrate a deep understanding and appreciation of different cultural perspectives and styles of music.