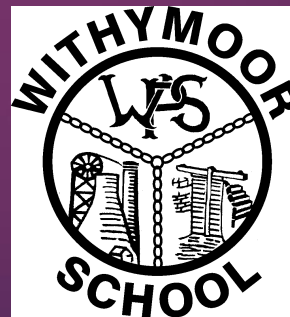


Withymoor Primary School Computing Curriculum

LEARNING TOGETHER, AIMING FOR EXCELLENCE.





Withymoor Primary School Curriculum Intent

At Withymoor Primary School we value and promote kindness and respect for all individuals, regardless of their race, gender, disability, religion or sexual orientation. We aim to offer, through a diverse, rich and challenging curriculum, exciting learning opportunities that develop curiosity, resilience, creativity and the skills of collaboration. We also aim to instil in our pupils a love of learning, an appreciation of the world, and a positive, secure sense of self. We want everyone at our school to achieve and be the very best that they can. Our curriculum is underpinned by our core value of Learning together, aiming for excellence.



Withymoor Primary School Computing Subject Intent

It is our intent that we develop technology literate children, using a range of devices and applications to enhance, motivate and support their learning in innovative ways. Pupils will recognise the importance of using technology safely and respectfully to become safer digital citizens. This will leave them prepared for the possible pitfalls of an increasingly connected world, but excited by the infinite opportunities it has to offer.



Essential Characteristics & Key Concepts in *Computing*

Essential Characteristics

Competence in coding for a variety of practical and inventive purposes, including the application of ideas within other subjects.

The ability to connect with others safely and respectfully, understanding the need to act within the law and with moral and ethical integrity.

An understanding of the connected nature of devices.

The ability to communicate ideas well by using applications and devices throughout the curriculum.

The ability to collect, organise and manipulate data effectively

Key Concepts

Computer science is how digital systems work and how to put this knowledge to use through programming

Information technology is how to create programmes, systems and a range of content

Digital literacy is being able to use and develop technology to communicate effectively and safely



Withymoor Primary School

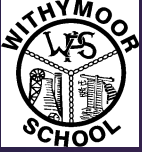
Computing Programme of Study

At Withymoor, we use the Purple Mash platform to deliver our computing curriculum.

It includes all strands of the national Curriculum and is progressive across year groups and key stages.

These lessons are also supplemented by NCCE lessons too.

A separate document provides an overview of the units taught in school.



Computing Progression

Please see separate progression document, which details expectations for all strands of the computing curriculum for Year 1 - 6.

Equality of Provision and Inclusion

Teachers ensure that the classroom is an inclusive environment in which pupils feel all contributions are valued and positive steps are taken to allow all pupils to participate. Teaching is responsive to pupil's different learning styles and takes account of their experiences and starting points, in order to engage all pupils. Pupil grouping in the classroom is planned and varied. Teaching styles include collaborative learning so that pupils appreciate the value of working together. All pupils are encouraged to question, discuss and collaborate in problem solving tasks. Teachers challenge stereotypes and foster pupil's critical awareness and concepts of fairness, enabling them to detect bias and challenge inequalities. Resources and displays reflect the experience and backgrounds of pupils, promote diversity and challenge stereotypes across the curriculum. They are reviewed regularly to ensure that they reflect the inclusive ethos of the school.

Equality of Provision and Inclusion

The curriculum at our school is planned, organised and taught in ways which are compatible with the Equality Act 2010 and school's Equal Opportunities Policy. As a school we will take reasonable and necessary steps to ensure that all children can access a broad and balanced curriculum. This includes ensuring that the environment is accessible as well as lesson content. In some instances, we may consult with external agencies for advice to meet the needs of some children to ensure that they are able to participate in all lessons across the curriculum. A wide variety of strategies are used to ensure that teaching meets the needs of different groups of pupils including those that are more-able, those identified with special educational needs, and those from different ethnic or gender groups. These include:

Differentiating Lessons by:

- Using a range of differentiated resources. Providing differentiated tasks where appropriate. Differentiating questions.
- Using a range of groupings within the class to teach children and support them.
- The amount of adult support that is given and adapting this as necessary.

Effective Lesson Planning and Management

- Setting clear objectives that are understood by each pupil.
- Presenting work in small achievable steps.
- Planning varied activities that motivate pupils and providing alternative activities where needed.
- Creating an atmosphere of encouragement and providing opportunities for pupils to achieve success.
- Identifying the most suitable pace for each student in order to provide sufficient individual challenge whilst fostering enthusiasm and facilitating concentration.
- Involving pupils in taking responsibility for their own learning and encouraging them to develop effective study skills.
- Providing deepening activities for students.

The Appropriate Deployment of Resources

- Analysing the suitability of resources and developing additional resources where necessary.
- Ensuring that teaching assistants and support staff are effectively deployed.
- Considering how specialist equipment, including I.T, can be of help and motivation to pupils.
- Careful assessment and monitoring. Using pupil's records and day to day achievements in music to support planning.
- Carefully monitoring pupils' progress to ensure that success is built upon.
- Providing regular feedback to pupils on progress and actively involve pupils in the assessment.