

ICT @ Granby Juniors:

ICT at Granby Junior School aims to

Become life long learners of all three computing areas, Computer Science, Digital Literacy and Information Technology.

A computer scientist will leave Granby with the confidence that they can use technology in their everyday life with passion and enthusiasm. We hope to prepare our digital citizens for a future that will be shaped by technology. At Granby, we use computing in areas of the curriculum to enrich and advance learning opportunities, while also empowering children to be critical and conscious of online sources. We have three main areas of learning: Computer Science, Information Technology and Digital Literacy.



'Golden Nuggets'

We would like our pupils to:



Become lifelong learners of all three computing areas, Computer Science, Digital Literacy and Information Technology.

Explore by engaging the children into a safe online experience, where they can engage and evaluate a range of sources.

Inspire by providing the children will the opportunities to try new and exciting apps.

Spark by igniting their minds to a whole new world of technology that correlates to solving real life problems.

Deepen their computing skills, enabling them to have the abilities required for jobs not yet invented.

Content and Sequencing:

Year 3 - Start the year with online safety, Coding, Typing, Branching databases, Emails, simulations, spread sheets, Graphing and Publications (Power Point)

Year 4 - Start the year with online safety, Music Maker, Coding, Writing for different Audiences, Animation, Logo and Artificial Intelligence (AI)

Year 5 - Start the year with online safety, Office – Word, 3D Modelling, Game Creator, Spreadsheets, Coding and Concept Maps, power point.

Year 6 - Start the year with online safety, Networks, Text Adventures, Power Point, Spreadsheets, Word and Quizzing.

Planning

ICT planning is based on the scheme produced by 2Simple, called Purple Mash. Each block of work has SOW implements key and new vocabulary, skills and knowledge built upon year on year. The scheme that we use includes knowledge organisers so that at any point, pupils can refer to prior learning.

This scheme includes all National Curriculum requirements in a fun and interesting way.

We also use Office, for Word, Power Point and Excell.

Progress/Assessment

The unit overview for Year 3, 4, 5 and 6 contains details of national curricula mapped to the Purple Mash Units. Teachers have access to each block of units work linking to assessment, they will make and informed judgment on what each child is achieving on each block. This w

The following information is an exemplar of what a child at an expected level would be able to demonstrate when completing this unit with additional exemplars to demonstrate how this would vary for a child with emerging or exceeding achievements.

Inclusion:

All pupils are taught together as a whole class, and adaptive teaching is supported in arrange of ways such as, paired work to help support each other, by larger computer keys or larger mouse, when needed, extra time to complete a task, laptops for any lesson to record using word for ease of the child recording their work / teacher recording the task for the child to listen to again during the lesson being taught, visual aids such as organisers can be used to help support all pupils with a word bank and meanings of each word for each block of lessons being taught as part of our quality first and adaptive teaching.

Safeguarding/Safety

As technology is ever evolving and moving forward we will try to ensure all children know how to use the internet appropriately which will include: Internet safety and keeping children safe when on line, knowing how and when to report something they think is wrong including personal information and images, staying safe and know how to use age appropriate apps, we will also discuss and find ways to shorten our screen time to have a healthier balanced life for our won mental health and wellbeing.

Support for staff:

All staff are invited to the ICT Purple mash training sessions, there are also webinars run on a regular basis for any one who whishes' to attend and the are free.



Outdoor Learning:

All children can access ipads to take photos and videos in and out of school, this would also include school trips such as a visit to the Pantomime, residential to White Hall and day trips to the Zoo as part of a topic.

Geography, History and Art field work are also great ways we include the use of ICT as the children record their findings and use them in future lessons, such as data for recording litter picked and then using to graph to represent the data.

Links to other curriculum areas:

ICT has links across all curriculum areas including: recording dance and gymnastics in PE sessions to be evaluated and improved to data logging for a Maths lesson to be recorded in a pie chart / spreadsheet.