

Computing at Perryfields KS1 (inc EYFS)

National Curriculum objectives	Key Vocabulary	Building Learning Power (BLP) Links	Personal Development Plan + Prepare + Practise + Perform = Success	Cultural Capital
<p><u>Computer Science</u></p> <ul style="list-style-type: none"> ♣ understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions ♣ create and debug simple programs ♣ use logical reasoning to predict the behaviour of simple programs 	<p>algorithm program instructions debug logical digital design precise unambiguous</p>	<ul style="list-style-type: none"> • Perseverance • Noticing • Making links • Questioning • Imagining • Reasoning • Planning • Revising • Imitation 	<p>Links with high school – writing simple code.</p> <p>Sharing completed work, building upon learning or completing similar activities with parents.</p>	<p>Game creation</p> <p>New technology</p> <p>Picture news</p>
<p><u>Information Technology</u></p> <ul style="list-style-type: none"> ♣ use technology purposefully to create, organise, store, manipulate and retrieve digital content 	<p>create organise manipulate retrieve digital edit collate data</p>	<p>Perseverance Absorption Noticing Making links Capitalising Interdependence Collaboration Imitation</p>	<p>Homework links. Learning log tasks e.g. traditions.</p> <p>Sharing completed work, building upon learning or completing similar activities with parents.</p>	<p>Research</p> <p>Picture news</p>
<p><u>Digital Literacy</u></p> <ul style="list-style-type: none"> ♣ recognise common uses of information technology beyond school ♣ use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or 	<p>technology safely respectfully private personal concerns report inappropriate</p>	<p>Noticing Making links Questioning Imagining Reasoning Revising Listening</p>	<p>Using technology outside of school appropriately and safely</p> <p>School assemblies</p> <p>Online safety links on the school website.</p> <p>Sharing completed work, building upon learning or completing similar activities with parents.</p>	<p>Research</p> <p>Online safety day</p> <p>Picture news</p>

contact on the internet or other online technologies.				
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Vocabulary:

Vocabulary to be introduced/recapped each lesson and displayed where possible.

BLP:

Many BLP skills link to learning, such as absorption, managing distractions and perseverance and therefore may appear in most computing lessons. Depending on objective, BLP skills will apply and teachers to choose relevant BLP skills and display/discuss for each lesson.

Personal Development:

Where possible, links are made to outside school that will enhance the children's learning of Computing. This may include visitors, parents or class trips

Cultural Capital:

In order to prepare children for future success, we make links with our Computing topics to the real world and real life. Links with the high school and outside agencies to develop children's understanding of the importance of Computing. Online Safety Day allows for further reinforcement as well as covering topics in more detail and in a creative way.