Subject: Computing

The 3 I's - Our Vision for Our Subject

Intent:

Athersley South Primary School aims to provide all pupils with a Computing curriculum that not only builds on their skills and knowledge in technology but also provides them with skills applicable to life. We aim to produce computer literate individuals who are ready to go into an ever-developing digital world and thrive. At Athersley South pupils are given a high-quality curriculum which offers them the chance to become familiar with a range of technology including iPads, desktop computers, programmable robots, crumbles and laptops.

The curriculum enables children to:

- Write algorithms and detect errors in them
- Write and debug programs
- Use the internet effectively and evaluate the quality of the content
- Use a variety of programs to create content and to store, analyse, sort and present data.

Wherever possible cross-curricular links are made across the subjects and technology is used to enhance, aid and engage pupils in a variety of subjects including; Maths, Literacy, History, Science and Art and Design. Our curriculum also develops life skills such as; problems solving, decision making, resilience, questioning and divergent thinking.

In our ever-changing society technology now poses more dangers than ever before. At Athersley South we endeavour for our pupils to be able to make safe, informed choices in the digital world, therefore E-safety is a large part of our Computing curriculum. Children are taught about the various dangers online, how to avoid or deal with these and how their actions create an online footprint. Children are also encouraged to become good online citizens thinking about how their words and actions can affect not only themselves but others too. They treat other users with dignity and respect.

Implementation:

All teachers follow the NCCE Teach Computing scheme of work to ensure there is a clear progression of skills and knowledge through each academic year and also through school. This runs on a two-year cycle to ensure all pupils receive the same broad coverage. Knowledge and skills are recapped and revisited to ensure that they can become part of children's long-term memory. Online safety is taught as a short session at the start of each lesson as well as being woven through the units in the Computing and PHSCE curriculum.

Teachers regularly assess children through formative assessment, providing extra support to those who need it and challenging higher attainers. Information on children's strengths and areas to work on will be passed on each year to the next class teacher.

The Computing Subject Leader and Senior Leaders regularly monitor the coverage and quality of teaching and learning to ensure a high standard is maintained across school. Staff will be provided with appropriate professional development where needed and the school will adapt its response to technological advances to ensure the children's curriculum and experiences are always relevant and valuable in the outside world.

Computing is taught both discretely and through cross-curricular links. Teachers always aim to make lessons as exciting and engaging as possible and give the children real experiences to develop their digital knowledge and skills.

Impact:

By the end of their time at Athersley South pupils are confident and competent at using a variety of hardware and software. They are digitally literate, able to be independent, analytical users with a bank of skills and knowledge to equip them in the digital world. They are able to keep themselves safe online and can manage their own digital footprint. The curriculum is taught in a way that gives children the opportunities to practice and develop life skills so that by the time they leave us they have the building blocks to enable them to achieve not only in Secondary School but in life beyond.

Children enjoy and are enthused by Computing lessons and have various opportunities to use technology in other parts of their curriculum. They have access to high quality teaching that responds to the children's misconceptions, gaps and

next steps and has high expectations of each child. Therefore, during their time at Athersley South all children should progress and achieve to the best of their ability.