Computing at St Agnes' CE Primary School

At St Agnes' CE Primary School we provide an engaging and inspiring curriculum that promotes our core value of **'love to learn'**. Based upon the needs of our children, families and the community, our curriculum aims to equip pupils in acquiring the cultural capital needed to flourish in education and beyond. We achieve this through a knowledge based and skills **led** approach, rich in language and vocabulary, supported through enriching experiences which allows all of our children to **'learn do well'**. Pupils will leave St Agnes' well prepared for the next stage of their education – enabling them to grow into active, responsible members of society **'living well together'**, in modern Britain.
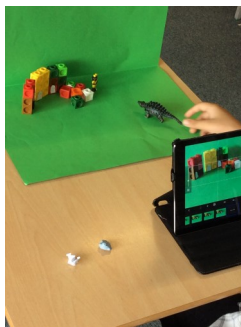
Why we teach Computing.

At St Agnes' we believe that Computing capability is an essential skill for life which enables learners to explore and take part in a rapidly changing world. Using the internet, for example, gives our pupils rapid access to ideas and experiences from a wide range of people, communities and cultures. It brings the world into their classroom. Our Computing curriculum encourages our pupils to be designers and use logical thinking, allowing their imaginations the freedom to be creative.
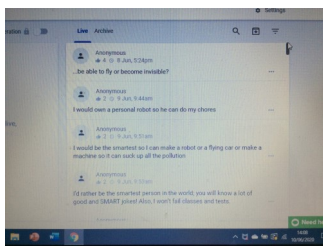
Pupils also learn that Computing isn't simply about computers; it includes anything that requires the input of instructions to produce specific outcomes, things like your smartphone, house alarm, washing machine, traffic lights and even speed cameras! Learning about control systems and robots increases children's awareness of many of the operating systems we use to manage our everyday lives. You could say that it develops essential life skills they will need in adult life, such as operating a washing machine and other devices.

Probably the most important reason why we teach Computing is to ensure that our children are informed about and equipped with the skills to stay safe online. The internet is an amazing resource, but it needs to be used safely. We want to develop our learners to be responsible, competent, confident and creative users of information and communication technology .

And finally, using technology is exciting! Whatever stage of learning your child is at, Computing can help motivate, stimulate and engage them. It is therefore a valuable subject in encouraging our pupils' love of learning.

Stop-motion film making.

Sharing ideas using Sllido.

Safer Internet Day 2020 | Tuesday 11 February
Together for a better internet

Curriculum day devoted to internet safety.

Useful links:

https://www.gov.uk/government/publications/national-curriculum-in-england-computing-programmes-of-study/national-curriculum-in-england-computing-programmes-of-study

How we teach Computing.

Some of the skills in the computing curriculum are taught in 'discreet' Computing lessons (whole lessons dedicated to the teaching of Computing skills.) For example, learning how to create and debug simple programs, learning about computer networks, how to use and combine a variety of presentation software and lessons on internet safety would be taught discreetly.

In society, technology is used in almost every area of life; in school, technology can be used in every subject of the curriculum. Using online maps in Geography, logging data in Science, using presentation tools to record and edit videos in PE and researching historical documents are all examples of how Computing can be taught through other subjects. Links between our half-termly topics and Computing are made to ensure coverage of the whole Computing curriculum throughout the year. There is also a focus on how Computing (Technology) combines with Science, Engineering and Maths (STEM) in the world of employment, encouraging high aspirations in our pupils.

Computing also provides our learners with quality, engaging and alternative ways to record their learning and present their ideas.

LOVE TO LEARN • LEARN TO DO WELL • LIVE WELL TOGETHER