



Ways you can support computing at Framfield.

Name:

Phone:

☺ I would like to get involved in the running of a School Computing Club.

☺ I am willing to provide a one off donation to the school's computer project: £_____ amount.

All monies raised for this project will be used to purchase additional computing equipment and software.

The national curriculum for computing aims to ensure that all pupils:

- ♣ can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation
- ♣ can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems
- ♣ can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems
- ♣ are responsible, competent, confident and creative users of information and communication technology.

References:

Department for Education

Computing programmes of study: key stages 1 and 2

September 2013

Computingschool.org

Computing at Framfield Primary School



Mrs Brennan Miss Maidman

What is Computational Thinking?

This new academic year will see the introduction of planned computing lessons for all children.

The lessons will cover not only Computer Science (CS) but Digital Literacy (DL) as well as Information Technology (IT).

Computational thinking will allow the children to further develop skills and techniques to help solve various problems effectively, with or without the aid of a computer.

Computational thinking involves six concepts and five approaches these we shall be referring to in our lessons.

Hopefully this leaflet will help with some of the terminology we shall be using over the year.

The concepts.

Logic - children will predict and analyse situations.

Algorithms - children will make their own steps and rules.

Decomposition - children will break the task down into smaller parts.

Patterns - children will identify and use similarities.

Abstraction - children will know when to remove unnecessary detail.

Evaluation - children will be able to make a judgement.

The Approaches.

Tinkering - experimenting and playing.

Creating - designing and making.

Debugging - finding and fixing errors.

Persevering - keep going not giving up.

Collaborating - working together.



How will the children be taught computing at Framfield?

Planned computing lessons will be delivered weekly and each year group will work together.

Children will also have the opportunity to join 'Touch Typing sessions' in a morning as well as a Computer Club after school (term 2).

Children will also be given every opportunity throughout the year to use their new found skills and knowledge; for example as member of the Eco Club, a reporter in the press pack on Takeover day or as a Photojournalist during school excursions and events.