APS Computing Menu

Skills:

Develop ideas

Communicate
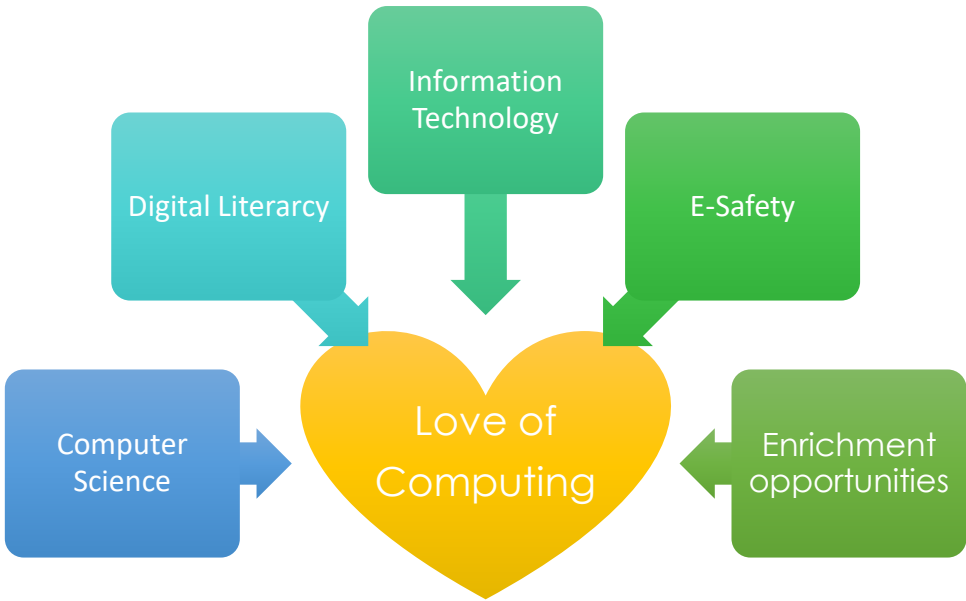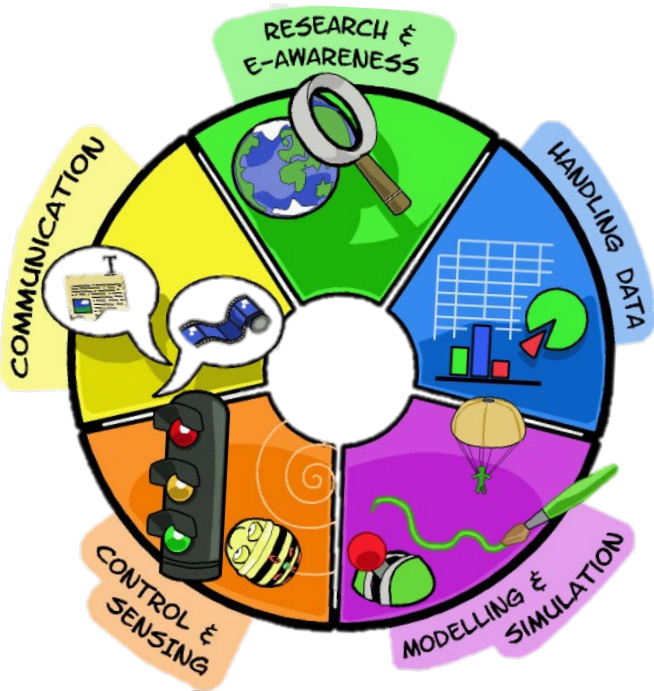
Collaborate

Create

Present

Evaluate

Our aim:

At Akaal Primary School, we believe it is vital to equip our children with the knowledge, skills and understanding of computing that they will require throughout their lives. We focus on key fundamental principles including computer science: learning how computers and computer systems operate and how they are programmed. Our purpose is for children to develop computational thinking skills and design and create their own digital content. By the end of their Nishkam journey, our children will become skilled digital creators.

The intent of our curriculum:

- ♣ Enable children to become digitally literate.
- ♣ To develop the knowledge and skills necessary to fully participate in modern culture.
- ♣ Have access to a broad range of software and technologies and experience them in different ways and contexts.
- ♣ Use a rich variety of digital tools and technologies and learn how to develop ideas, communicate, collaborate, create, present and evaluate.
- ♣ Identify and use a range of software, technologies and tools to apply knowledge and skills in different areas.

Information Technology

Digital Literarcy

E-Safety

Love of Computing

Computer Science

Enrichment opportunities

Computer Science

Understand what algorithms are.

Use logical reasoning to explain how algorithms work.

Design, write and debug programs.

Use sequence, selection and repitition in programs.

Understand various computer networks.

Digital Literarcy

Recognise common uses of information technology beyond school.

Evaluate digital content.

Understand the opportunities that networks offer for communication and collaboration.

Information Technoloy

Use technology purposefully.

Create, organise, store, manipulate and rerieve digital content.

Select, use and combine a variety of softwares on a range of digital devices.

Collect, anaylse, evaluate and present data.

E-Safety

Use technology safely and responsibly.

Recognise acceptable/non acceptable behaviour.

Identify where to go for help and support when having concerns about content or contact on the internet or other online technologies.

Enrichment Opportunities

In house 'Computing Day' with outside providers to hold workshops

Trips and Visits e.g STEM

Talks from professionals in the industry