



## Computing subject intent:

- To develop safe, responsible and competent learners who can navigate and investigate using technology.
- For children to develop the knowledge and skills they need to keep themselves safe online.
- To prepare children for the pivotal role technology will play in their lives, both as children and adults.

## How we support the needs of our children through teaching computing:

- **Experiential learning** – Our curriculum exposes children to a range of technology including laptops, ipads, beebots and data loggers.
- **Self-esteem** – We teach children strategies to keep themselves safe using technology so they feel confident in knowing what to do in an ever extending technological world.
- **Resilience** - Through our challenging curriculum, children are given opportunities to develop their resilience to solve new problems using technology e.g. through programming lessons.
- **Social skills** – Children will have opportunities to discuss and collaborate with peers in computing lessons.
- **General knowledge** – Children will be taught how to research using the internet and apps, linked to line of enquiry where possible.
- **Oracy skills** – children are given opportunities to record themselves and others using technology (e.g. recording animations/ reports using green screen). Children will be taught explicit vocabulary related to computing, programming and multimedia.

## How do we teach computing at Nova Primary?

Our computing scheme of work follows the Teach Computing scheme which allows children to develop their computing skills which can be adapted where possible to link with line of enquiry.

Each child will be able to progress through 6 computing units throughout a year which focus on developing children's skills and knowledge in programming, multimedia and technology in our lifetime.

Children complete 'computing self-evaluation log' to reflect on their learning as engineers.

Children are given opportunities to share their learning with a real audience where possible e.g. through class assemblies/ cross phase learning.

## How do we assess computing at Nova Primary?





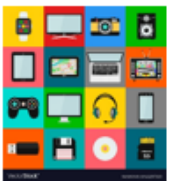

Our computing scheme of work, Teach Computing, allows children to develop their computing skills, and can be adapted where possible to link with line of enquiry. The outcomes from teaching these units are recorded with a simple RAG highlighting method within each class' Computing Skills, Knowledge and Vocabulary Progression document.

**Red** – This skill has not been taught

**Amber** – This skill has been taught, however less than 80% of the class are confident in their application and understanding of it.

**Green** – This skill has been taught and at least 80% are confident in their application and understanding of it.

Additionally, children having pride and ownership of what they have learnt is of vital importance here at Nova. To reflect this, each child will have a 'Computing Self-Evaluation Log' which can be kept in Line of Enquiry books, or a separate folder by teachers. At the end of each unit, children assess how confident they feel in the subject and write some reflections which centre around the key skills and vocabulary they have learnt.

Skill/Unit	 I can do this by myself.	 I can do this with a little help.	 I found this really hard.
<b>Programming</b> 	What I enjoyed about this unit:  I think I did well at:  What I found hard was:		
<b>Multimedia</b> 	What I enjoyed about this unit:  I think I did well at:  What I found hard was:		
<b>Technology in Our Lives</b> 	What I enjoyed about this unit:  I think I did well at:  What I found hard was:		
<b>Data Handling</b> pictogram tally chart block diagram table bar chart line graph pictogram tally chart block diagram table bar chart line graph pictogram tally chart block diagram table bar chart line graph	What I enjoyed about this unit:  I think I did well at:  What I found hard was:		