Computing Curriculum Rationale

INTENT		IMPLEMENTATION		IMPACT	
Alignment	At Thurlby Community Primary Academy we follow the Early Learning Goals in the EYFS statutory framework and the National Curriculum Programmes of Study in KS1 and KS2. The current statements for computing focus on our: Personal, Social, Emotional and Physical development. We use computing to teach our children to understand the wider world around them and ways in which technology can be used to better the world.	**Pedagogical Approaches**	At Thurlby Community Primary Academy we plan and deliver computing through the National Centre for Computing Education scheme of work which includes using a variety of different programmes. The National Centre for Computing Education lessons are broken down into units. The units are practical and engaging and allow computing lessons to be hands on.	**Approach to Assessment**	In computing, at the end of each lesson there will be a form of formative assessment. This could be with some questioning, evidencing work, written work or more. We also consider the pupil voice and we ask for their opinions on how the lesson has gone for them and what they have learnt.
End Points	At Thurlby Community Primary Academy we aim to develop pupils who are responsible, competent, confident and creative users of information and communication technology. We ensure that children understand the E-Safety messages about how to stay safe online and understand and follow the SMART e-safety rules. Children will be able to use the knowledge and skills acquired to produce digital content, create programs and use everyday technology.	**Teachers' Expert Knowledge**	At Thurlby Community Primary Academy we ensure that all teachers are clear with their understanding of the curriculum which they are teaching. The National Centre for Computing Education gives explicit instructions on how to deliver their lessons and the knowledge which is needed. As well as this, teachers are given opportunities to use all programmes and software prior to teaching the topic.	**Performance Data**	In the EYFS, we assess the children against the Early Learning Goals. In KS1 and KS2, data is not published nationally for Computing. However, the school tracks the achievements of our pupils, by ensuring they achieve lesson objectives, to ensure that they are on target for national expectations at the end of KS1 and KS2.
Sequencing	In Thurlby, our curriculum is based around a variety of different software and programmes in order to give the children an opportunity to try different uses of technology. As well as this we have tailored it around real world examples. At Thurlby Community Primary Academy, we use the National Centre for Computing Education which works with the national curriculum to create our computing curriculum for year 1-6.	**Promoting Discussion and Understanding**	To develop children's understanding in Computing, our pupils are provided with opportunities to explore a wide range of technologies. Effective questioning and discussions are key to allowing pupils to understand how computers work and the algorithms behind programs. Through these conversations, children are able to master the use of key vocabulary and core knowledge.	**Pupils' Work**	Pupil's work can be created in a number of ways during our computing lessons. At the end of each lesson, the teacher will write in their computing journal to evidence some work and what has been completed in the lesson. The children, however, will be completing work on their computers, ipads
Social Disadvantage	In line with the curriculum, we ensure that the computing lessons are accessible for all children by using child friendly programmes which all children are clearly shown how to use. As well as this, we use the technology throughout the school to aid those who need some extra help in other subjects across the curriculum.	**Knowing and Remembering More**	Our curriculum has been designed in a specific sequence that children are regularly coming back to prior learning, either from earlier in the topic or even building on work they have done in previous year groups. This means that what they have learnt is constantly being called on and this way it will go into their long-term memory and these skills will last much longer.	**Talking to Pupils**	Throughout the year, the pupils will be given an opportunity to discuss computing with their teachers and the computing lead. These discussions will be directed by the work which the children have produced and the work in the computing journal for each class. In these discussions, pupils will have the opportunity to give their opinion on the curriculum and the lessons which they're taught.
Local Context	There are many local secondary schools with wonderful computing programmes. The topics taught at Thurlby will set the pupils up for any secondary school which they will attend.	**Teacher Assessment**	In computing our children are assessed by their individual teachers. This is based on the progress they have made throughout the term as well as producing a piece of work to evidence the knowledge which they have gained in the topic.		