








The National Curriculum is the fundamental basis of our curriculum at Woodlands; the curriculum coverage, content and progression of knowledge and skills are outlined in detail in our long-term and medium-term planning documents. We believe in educating the whole child and as such, this curriculum in this subject also enhances these core elements:

	<p><b><u>Processes:</u></b> As technology is a driving force in today's society, computing plays an important part in the education of all children. Processes will enable children to develop an understanding of how technology enhances everyday life from microwaves to planes. They will be able to see the process of an idea starts as just this and develops into designing and programming.</p>
	<p><b><u>Creativity:</u></b> Technology is all around us in the environment and there are constantly new ideas, designs and products being developed. Computing enables children to apply their creative skills outside of art whether it be through designing posters through paint, creating music or programming a robot. There is no limit to what a child can achieve, we just need equip them with the tools, skills and opportunities to develop a thirst for knowledge and interest.</p>
	<p><b><u>Comparison:</u></b> As technology comes in all shapes, sizes and forms, it is important for children to understand that technology does not just come in the form of an iPad or a PS4. Computing allows children to explore different types of technology including programming, beebots, creating things online such as leaflets and music, researching and so much more. We must ensure children have access to a range of opportunities within this subject and highlight how we are using technology and the purpose of different types of technology.</p>
	<p><b><u>Significance:</u></b> Computing is a key part of society today as it comes in many forms. Computing capability is an essential skill for life and enables learners to participate more readily in a rapidly changing world. Learning about control systems and robots increases children's awareness of many of the operating systems we use to manage our everyday lives. It develops essential life skills they will need in adult life, such as operating a washing machine and other devices.</p>
	<p><b><u>Change:</u></b> Technology and computing is ever changing and as our children grow, we need to ensure they have the knowledge and skills to keep up. It is important for them to know the history of computing and how it has developed throughout the years and where it could lead to in the future. Who knows...they might be the one to invent, design, create or makes changes in the future.</p>