	Half Term 1	Half Term 2
Autumn	**Knowledge**: Know how to write an algorithm and ways to check their algorithm. **Skill**: Predict the behaviour of a programmed toy. Create and debug simple algorithms (including use of unplugged curriculum & Lightbot/Scratch Jnr). **SMSC**: Children will use imagination and creativity to create an algorithm, they will be encouraged to reflect on the success of their algorithms as well as cooperating and compromising with others (spiritual & social) **BV**: Rule of Law, Mutual Respect	**Application**: **Skill**: Create and debug simple algorithms Use iPads during learning time to develop their skills of algorithms using Lightbot/Scratch Jnr app. Link learning into instructions for English or directions for maths.
	What can make this personal to Dovers Green? *Use of technology during STEM week. Looking at people that contributed to coding.* *Access to unplugged coding using the outside area.*	
Spring	**Knowledge**: Know who to talk to if they have concerns. Know how to use online technologies safely. **Skill**: Use technology respectfully for a purpose. **SMSC**: Children will begin to understand ways to stay safe when using technology and take part in the national E Safety Week (social & moral) **BV**: Democracy, Rule of Law, Individual Liberty, Mutual Respect, Tolerance	**Application**: **Knowledge**: Know a range of technologies that are used in the wider world. **Skills**: Can recognise how technology is use around the world and compare uses. Choose technology to support their learning in different ways. **SMSC**: reflecting on own experiences of technology, demonstrate a sense of enjoyment & fascination as they learn about the world around them, appreciating that these technologies have influenced the way we and other people live (spiritual & cultural) **BV**: Rule of Law
	What can make this personal to Dovers Green? ***Safer Internet Day*** *workshop for children to engage in. Use 'Zip It, Block It, Flag It'.*	What can make this personal to Dovers Green? *Local walk to find technology i.e. street lights, speed cameras, traffic lights, etc.*
Summer	**Skill**: Choose technology to support their learning in different ways. Use technology to record learning i.e. photos to record learning, videoing their friends talking about their learning, access to IWB during learning time. Can they decide which technology is most appropriate for the task?	**Knowledge**: Know how to create, retrieve, organise and manipulate their digital content. **Skill**: Can find, open, edit and save content they are working on. Can use different technology and discuss the benefits of the programmes. (Use of Adobe Spark/PowerPoint). **SMSC**: Children will use creativity and imagination in their learning (spiritual) **BV**: Rule of Law, Individual Liberty
	What can make this personal to Dovers Green? *Choose the technology they want to use for a task.* *Learning can be shared on the website, with correct permissions.*	

The development of SMSC and the promotion of British Values within Computing – Year 2

SMSC	**Spiritual**: Children are encouraged to develop their creativity and imagination when creating their work using coding or other programmes. They are encouraged to reflect on their learning to see ways to make it better as well as to identify when coding doesn't go as they expect. **Moral**: Children will be developing an understanding of there being a consequence for their actions and behaviour. This will be taught when the children are shown how to use a range of equipment with respect, both for the equipment and also to their peers they are sharing equipment with. This is also important when learning how to behave online. **Social**: Peer learning is encouraged during computing, discussing their learning using key vocabulary as well as helping each other to learn and understand different concepts. **Cultural**: The use of technology to support children's knowledge of different cultures, beliefs as well as national and global events that happen. This will be through the use of websites and videos to support children's learning at an age-appropriate level.
British Values	**Democracy;** Encourage respect for democracy by making decisions together when sharing devices. **Rule of Law;** Enable students to distinguish right from wrong when learning about staying safe online. Understanding the rules we have when using different technologies. **Respect and Tolerance;** Encourage students to accept responsibility for their behaviour and be aware of their impact on others, for example, online safety, using a variety of equipment respectfully. **Individual Liberty;** Children should develop a positive sense of themselves. Staff can provide opportunities for children to develop their self-knowledge, self-esteem and increase their confidence in their own abilities, for example through allowing children to talk about their experiences and learning. Understanding that they have the right to use the internet safely as do others.