Year 7 - Term 2 Computing Plan

Topics	Area of computing	Objectives	Computing vocabulary
The Nature of technology: Digital data • Storing digital data • Reading binary numbers • Adding in binary • Decimal to binary • Digital text and numbers • Sound and Vision • Revision	❖ Calculating ❖ Converting ❖ Storing ❖ Adding	**By the end of the topic students should be able to learn:** ▪ How text, images and audios can be stored as digital data by a computer. ▪ How to convert between binary and decimal numbers. ▪ How to add binary numbers.	➢ Binary ➢ Digital data ➢ Bit ➢ Byte ➢ Code ➢ Media ➢ ASCII ➢ Pixel ➢ True colour ➢ Sampling ➢ Unicode
Digital literacy: Staying safe online • Collecting data online • Danger online • Protect your computer • Cyberbullying • Use content responsibly • Giving credit • Revision	❖ Collecting ❖ Protecting ❖ Giving credit ❖ Collect data ❖ Avoid cyberbullying ❖ Use content responsibly ❖ Give credit	**By the end of the topic students should be able to:** ▪ Recognize the risk and dangers on the internet. ▪ Avoid risk and dangers on the internet. ▪ Use internet content wisely ▪ Be aware of cyberbullying	❖ Cybercrime ❖ Hacking ❖ Malware ❖ Cyberbully ❖ Anti-virus software ❖ Internet shopping ❖ E- commerce ❖ Secure site ❖ Cookie ❖ Intellectual property ❖ Copyright ❖ Plagiarism ➢ Firewall