Computing Curriculum Overview BEECH Class

ADVENTURERS	
• **Know and understand how to stay safe online.** • **Understand computer networks including the internet; how they can provide multiple services and opportunities for communication and collaboration** • **Create multimedia presentations that combine text, graphics, images, video and sound for a given purpose/audience.** • **Be able to type at least 20 words per minute.** • **Be able to use word processing applications to create a wide range of documents for a variety of purposes and audiences including letters, reports, flow charts, posters, adverts and journalism** • **Be able to explore simulations and use modelling software/applications to represent different scenarios.** • **Be able to sort and organise information interrogating a range databases to find answers to questions and draw conclusions.** • **Be able to use a basic spreadsheet to collect, record/analyse two data fields and present as a simple graph or chart.** • **Be able to independently access an email account to send/receive a message understanding the purpose of the address and subject fields.** • **Be able to use programming/coding to create a simple animation (sequencing) and understand how to evaluate/debug the code to achieve a better outcome.** • **Be able to confidently (and independently) solve problems with information technology and its use.**	• To know what a presentation is, what an on-screen presentation looks like and be able to create one. • To know how to navigate the internet or a given website to read and extract relevant information to use in a presentation • To know to add text and images to presentations • To know that classify means to sort things into groups, based on their features and use branching databases. • To know that we can use photo editing tools to manipulate images • To know what radio and podcasts and that they cover a range of topics/themes • To know that a jingle is a short slogan, verse, or tune designed to be easily remembered • To know how to write a script for a radio / podcast episode (including a jingle) • To know how to record and edit sound recordings • To know that the execution of an algorithm is dependent on the correct sequencing within it • To know how to use simple algorithms/coding to move a sprite through a maze • To know that an event is an action that causes something to happen • To know that events can be used to make things happen in programming • To know that research is the process of finding information and use a search to find key information • To know how to use a keyboard to type, check, edit and format text and that certain buttons have different functions • To know how to import images into a text document