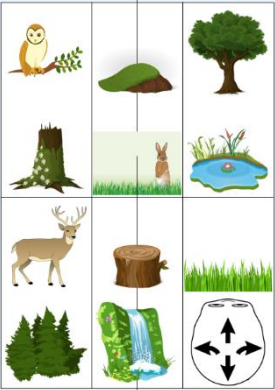

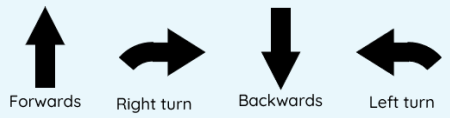


Year 2 Autumn 1: Computing Knowledge Mat

Computer Science - Robots

Key Vocabulary		Images/ diagrams	Core Knowledge
instruction	Information which tells you how to do something or use something.		<ul style="list-style-type: none"> ➤ I know how to describe a series of instructions as a sequence ➤ I know that instructions need to be clear and specific ➤ I know that an algorithm is a precise set of ordered instructions which can be turned into code ➤ I know that a prediction is a reasoned decision rather than a guess ➤ I know how to design an algorithm ➤ I know how to debug by breaking down a task into smaller chunks
sequence	The order in which things happen.		
clear	To remove instructions, from the memory of a Bee Bot.		
algorithm	A set of instructions that are created for a computer.		
order	Arranging things in a certain way for it to make the best sense.		
command	Telling something to follow an instruction		
mats	A colourful background to programme Bee Bots on.		
routes	A way of moving from a start point to a destination.		
debugging	Identifying and removing any mistakes that cause unwanted results in an algorithm		
outcome	What happens at the end of the instructions.		

Year 2 Autumn 2: Computing Knowledge Mat

Information technology: Creating Media - making music

Key Vocabulary		Images/ diagrams	Core Knowledge
rhythm	A pattern of sounds of different lengths.		<ul style="list-style-type: none"> ➤ I know that music can make you feel a range of emotions. ➤ ➤ I know that rhythm is a pattern of sounds of different lengths. ➤ ➤ I know that music is made from a series of notes
digital	Digital technologies are electronic systems and resources that help us learn, communicate, play.		
pulse	The steady beat underneath a piece of music.		
pitch	How high or low the sound is.		
duration	The length of time each note is played for.		
note	A pictorial representation of a musical sound.		
pattern	Something that is repeated more than one time.		
emotion	The way we feel, think and behave.		

Year 2 Spring 1: Computing Knowledge Mat

Digital Literacy

Key Vocabulary		Images/ diagrams	Core Knowledge
Digital Technology	Any piece of equipment that contains a computer or microcontroller, such as a smartphone, smartwatch or laptop.		<ul style="list-style-type: none"> I know the different forms of information (text, images, sound) and understand some are more useful than others I know information can be used to answer specific questions I know and understand how digital technology supports our lives at home or school. I know that anyone can access the internet. I know that personal information should not be shared online I know some online sites and games are age-appropriate I know what to do if I am worried online.
Virtual Reality	Virtual reality is a way of using technology to make someone feel like they are somewhere else.		
Online safety	To protect yourself from harm when working online.		
Information Technology	Technology that creates, stores or exchanges information. It needs a computer to work.		
World Wide Web	An information system of shared web pages on the Internet.		
Stranger	Someone you don't know or who doesn't belong in a specific place		

Year 2 Spring 2: Computing Knowledge Mat

Information technology – Grouping Data

Key Vocabulary		Images/ diagrams	Core Knowledge
data	Information we collect		<ul style="list-style-type: none"> I know the different forms of information (text, images, sound) and understand some are more useful than others I know information can be used to answer specific questions I know that a tally chart is an effective way of organising data. I know that an attribute is a property of an object I know that I can present information using a computer.
attribute	Something in common in a group of objects. Objects can be described and grouped according to attributes.		
Online safety	To protect yourself from harm when working online.		
Tally Chart	A way of recording data in groups of five.		
Pictogram	A way of presenting information using pictures.		
Block Diagram	A way of presenting information gathered using blocks of colour.		