

Year 2 Green Spring 1: Who Could Live in a House Like This?

School Value: Empathy – we understand that there are consequences to the choices we make

Topic Sticky Knowledge	
History	There are lots of different types of houses in Hounslow now: detached, semi-detached, terraced, bungalow and flats.
	Homes in the past had very different insides. For example, stately homes had parts just for servants and often didn't have plumbing or heating added until much later.
Science	Materials have different properties that make them suitable for different purposes. When choosing a material for a purpose, it is important to identify what properties are important.
	Wood is used to make buildings and furniture and for making fires and heating.
	Most of the paper or cardboard we use came from trees.
	Glass is a hard material that can be made in many shapes. It is used to make things like windows and bottles.
	Plastics are used to make many of the things we use in everyday life. They are used for toys, bicycle helmets, mobile phones, window frames and many other items use plastic.
	Lots of materials can be changed shape if they are flexible, squashy or elastic. However, some are rigid and stiff and cannot change shape.
	Often structures have a certain function, they are made to do something. e.g. Chairs are for sitting on.
Design & Technology	Some objects are natural, some are man-made. Natural objects occur in nature, like trees and webs. Man-made objects are things made by people.

Topic Vocabulary		
History	Modern	New, or up-to-date. We can describe items, homes and ideas as 'modern'.
	Era	A time period. At the moment, we are in the 'modern era'.
Science	Material	Any substance that has a name. For example, chalk, wood, glass, paper, metal, wax. Everything is made up of materials.
	Properties	The property of a material is something about it that we can measure, see or feel and helps us decide whether or not it is the best material.
	Suitability	A material's properties make it suitable for a job. Such as glass being transparent makes it a good choice for a window.
	Transparent	Can be seen through, like glass.
	Opaque	Cannot be seen through, like a screen or paper.
	Translucent	Cannot be seen through but you can shine light through, like tissue paper.
	Design & Technology	Structure
Stable		An object does not easily topple over.
Stiff		A material or object that does not bend easily
Function		How something works

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Stand-Alone Sticky Knowledge	
RE	Guru Nanak was the founder of Sikhism. He was the first of 10 very special teachers called the Gurus.
	Important teachings Guru Nanak shared included: There is only one God, all people are equal and all humans can speak directly to God.
	The Guru Granth Sahib is the Sikh holy book. It contains the messages of all the Gurus. It is covered by a rumala when not in use. The chaur is made from yak's hair. It is waved over the Guru Granth Sahib as a sign of respect.
	Guru Nanak travelled around different parts of India, learning about and teaching God's message. The people who listened to him were known as 'Sikhs', a word which means 'learner'. Nanak became known as Guru Nanak, God's teacher.
	The Sikh festival of Divali celebrates Guru Hargobind being released from prison along with 52 prisoners and sharing his freedom. Sikhs share through giving gifts and their celebrations.
Music	The style indicators of rock are: heavily amplified guitar, bass guitar, drums, keyboard sounds and often male vocals.
Computing	Computers can be programmed to run the same code repeatedly, this is called repetition.
	Programmers frequently make mistakes – called bugs – and much time can be spent fixing these. By predicting what might happen first, we can spot bugs much more easily.
	A sprite is a graphical character in a program that can be given its own sequence of instructions.

Stand-Alone Vocabulary		
RE	Guru Granth Sahib	Holy Text, also known as 'the last guru'
	Gurdwara	A Sikh place of worship
	Sewa	Means 'selfless service'. It involves acting selflessly and helping others in a variety of ways, without any reward or personal gain. It is a way of life for many Sikhs and is part of their daily routine.
	Waheguru	The name most widely used for God by Sikhs is Waheguru
	Ik Onkar	The Sikh symbol meaning there is only one God
Music	Compose	Creating and developing music ideas and 'fixing' them.
	Melody	Another name for a tune.
	Dynamics	How loud or quiet the music is.
Computing	Algorithm	A sequence of precise instructions or steps (sometimes a set of rules) to achieve an objective
	Debug	Correct mistakes in a program or algorithm
	Output	Information produced by a computer – in this case, moving sprites on a screen, text and audio