



Bit



TERM



Bit-rot



TERM



Born
Digital



TERM



Byte



TERM



Checksum



TERM



Dependency



TERM



DROID



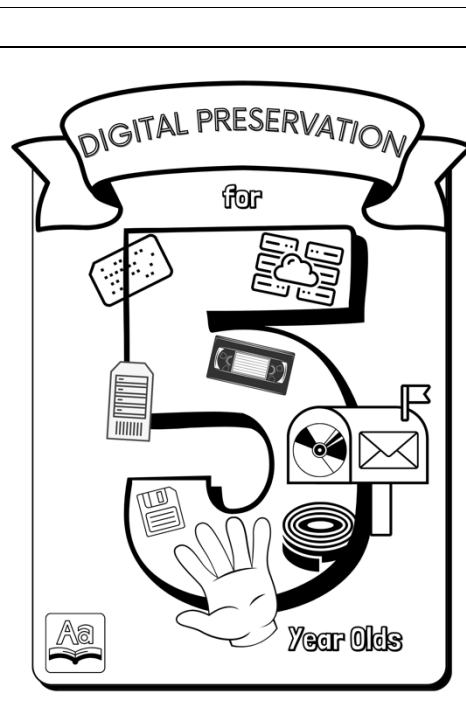
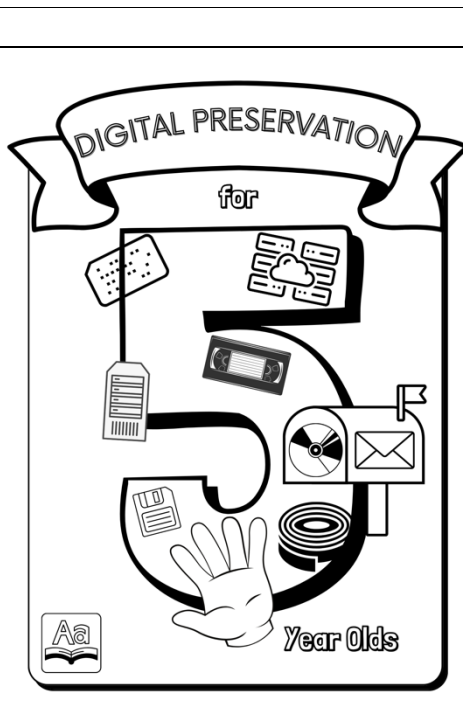
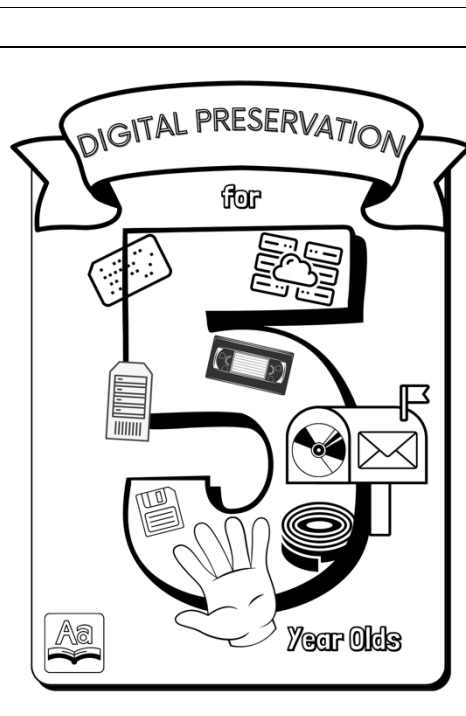
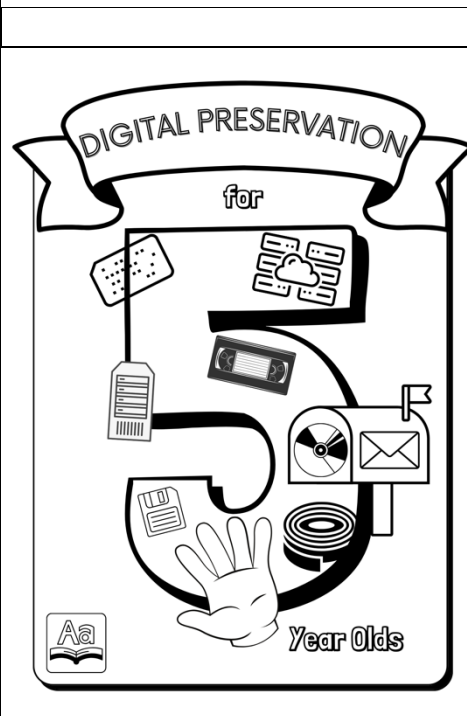
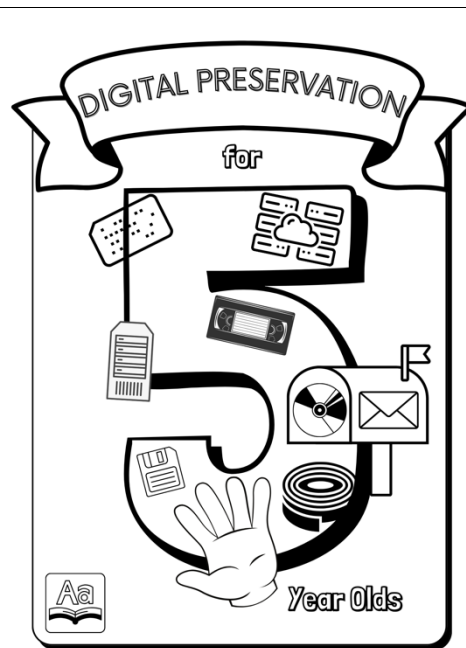
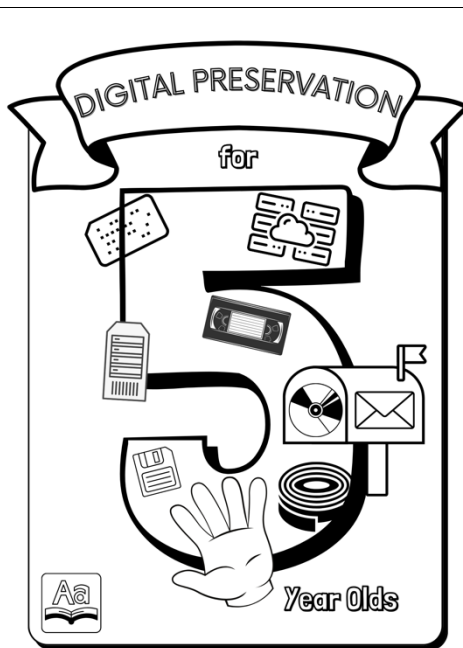
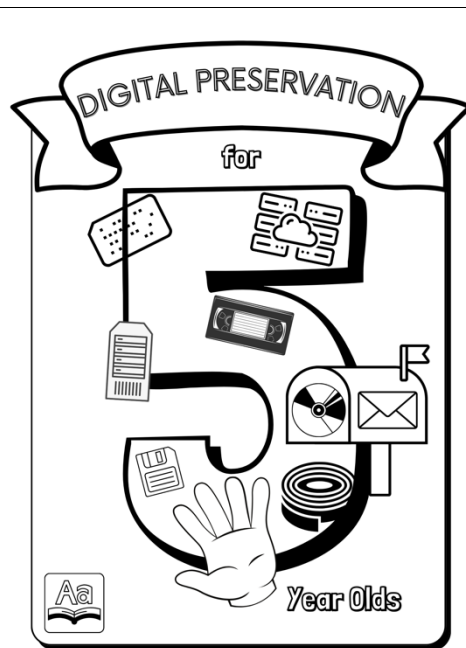
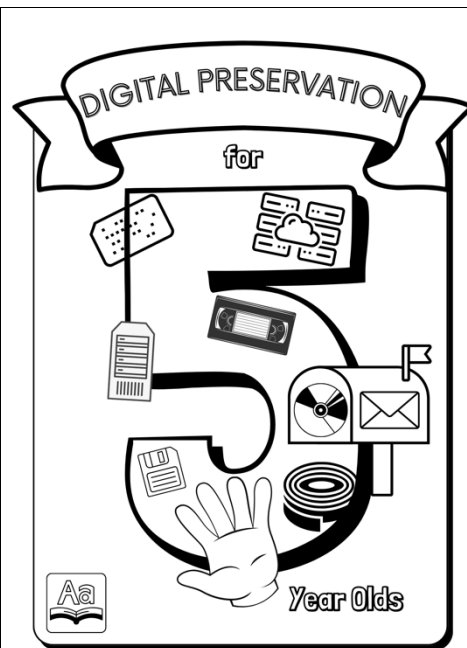
TERM



Emulation



TERM





Encryption



TERM



File
Characterisation



TERM



File
Format



TERM



Fixity



TERM



Hex



TERM



Infrastructure



TERM



Ingest



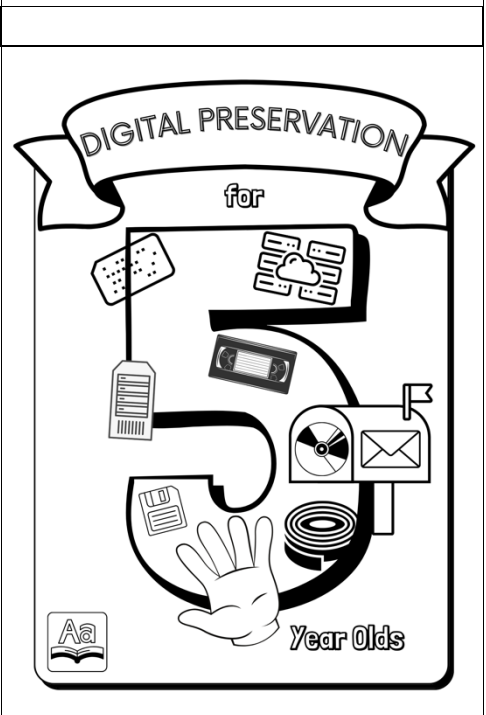
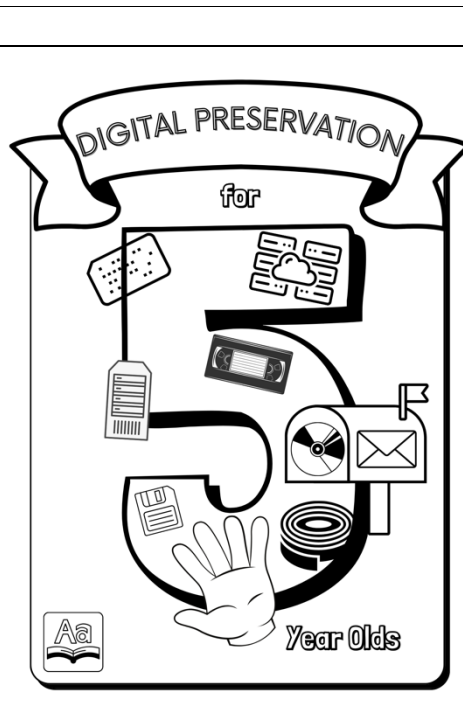
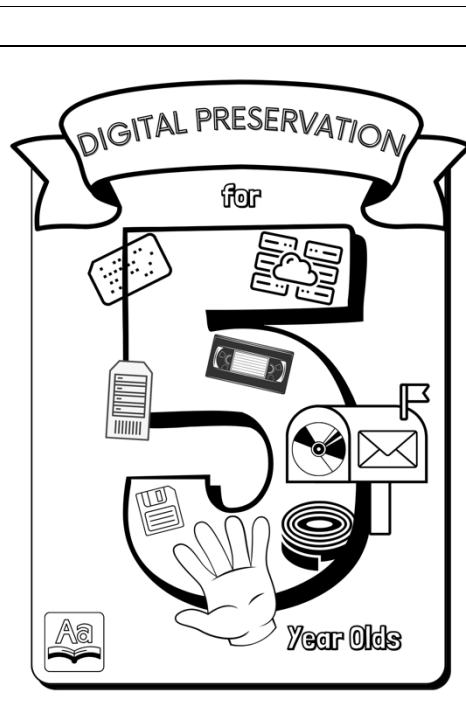
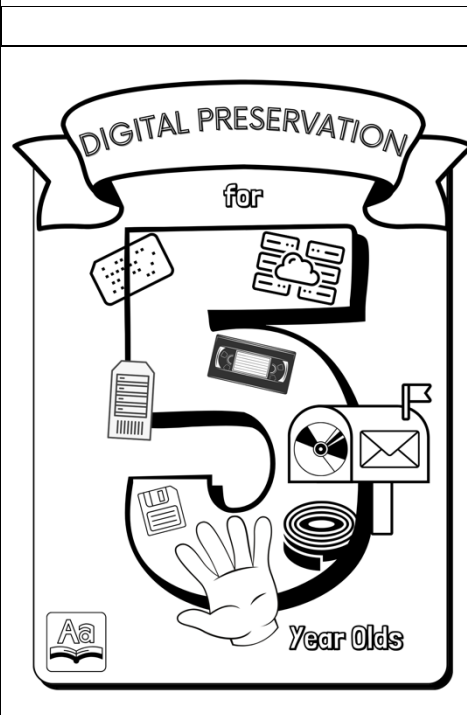
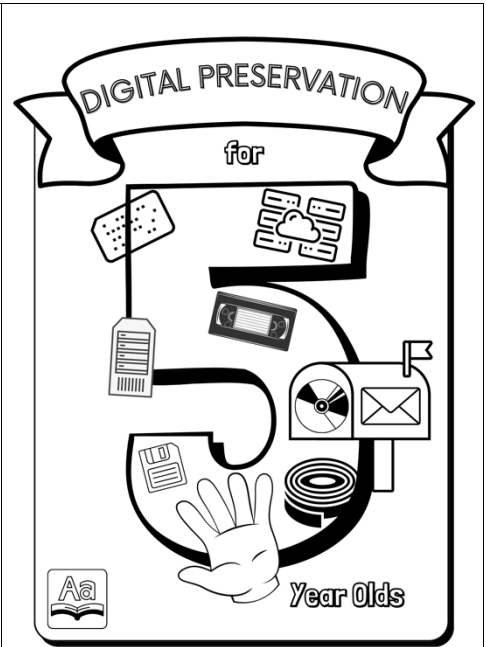
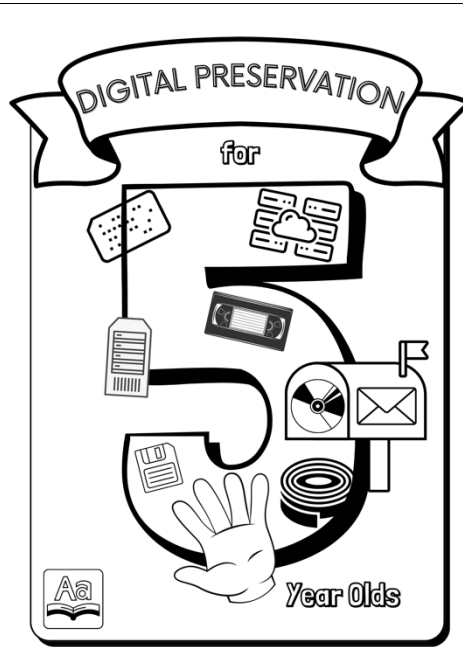
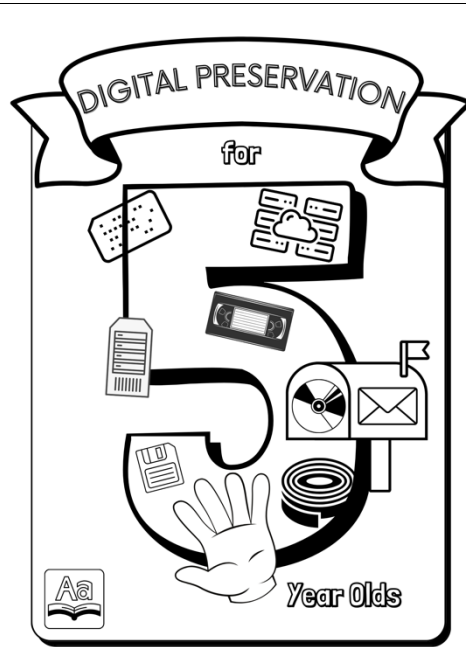
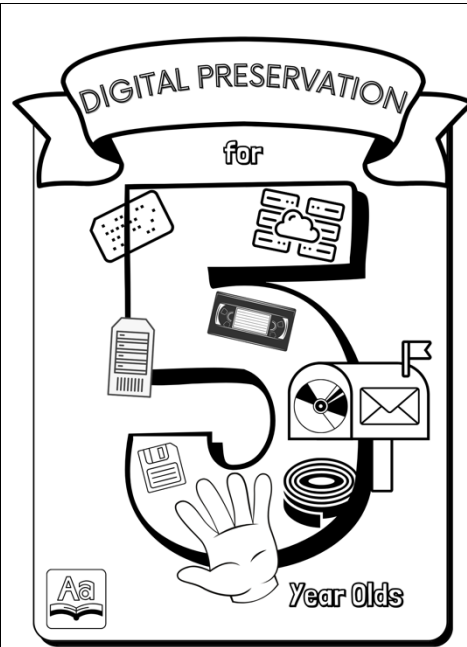
TERM



Lossless
Compression



TERM





Lossy
Compression



TERM



Malware



TERM



Metadata



TERM



Migration



TERM



OAIS



TERM



Obsolescence



TERM



Open
Source



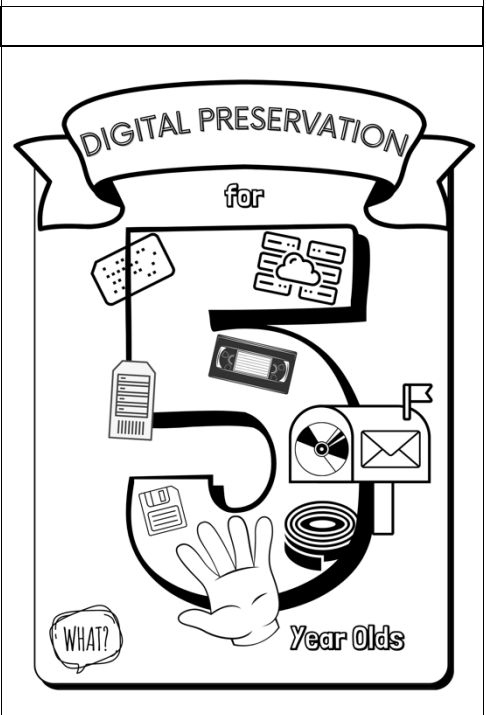
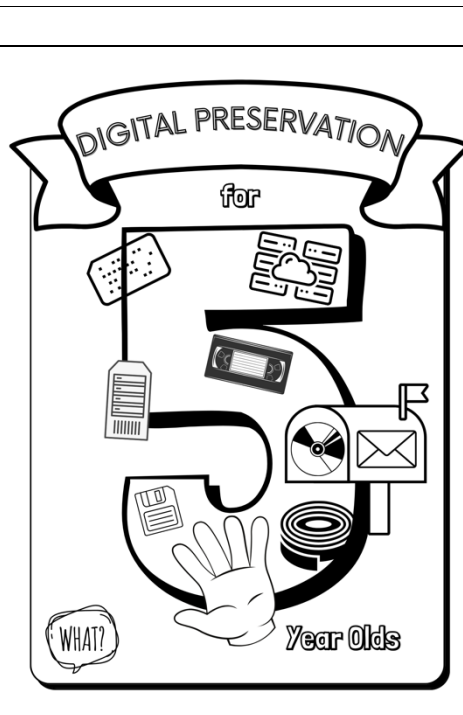
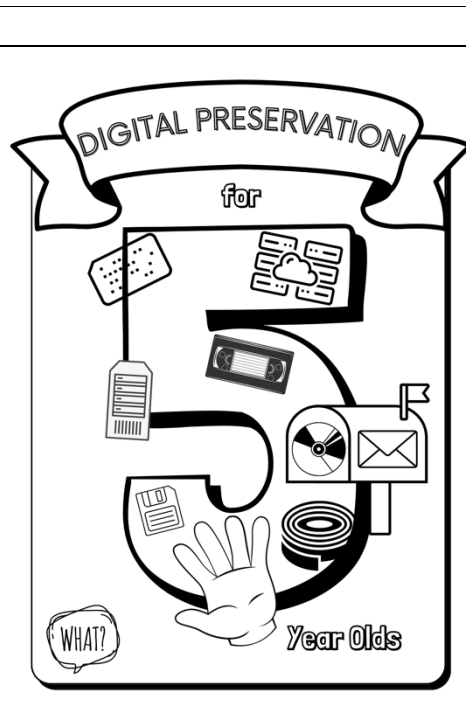
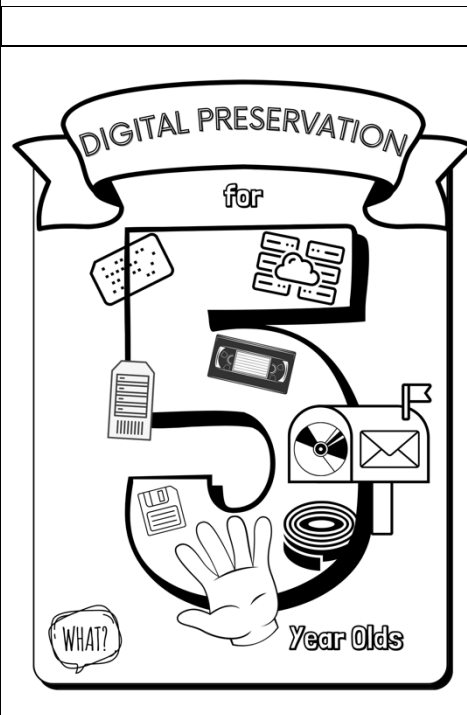
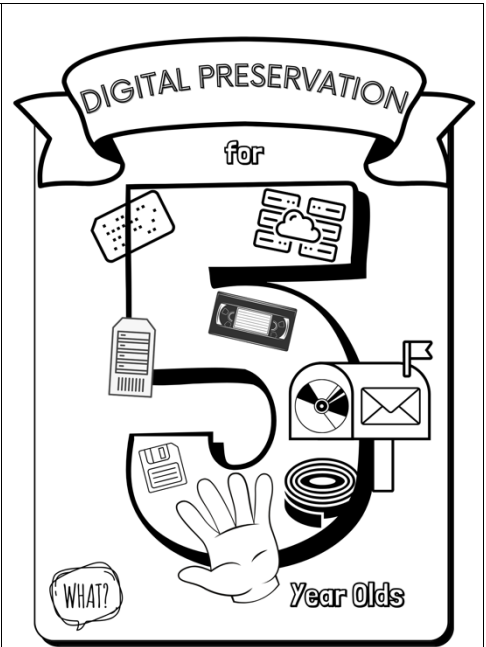
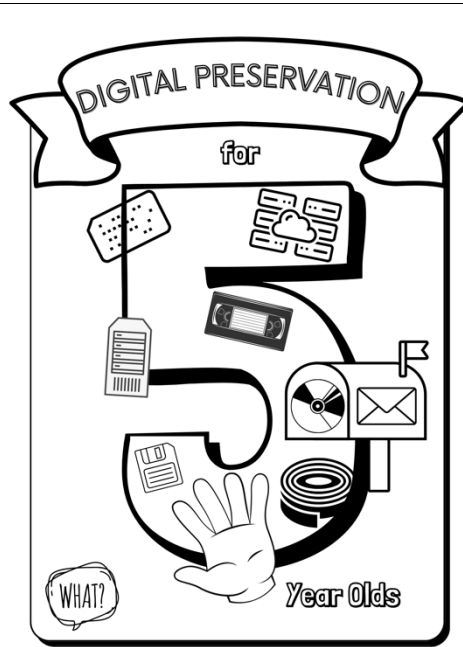
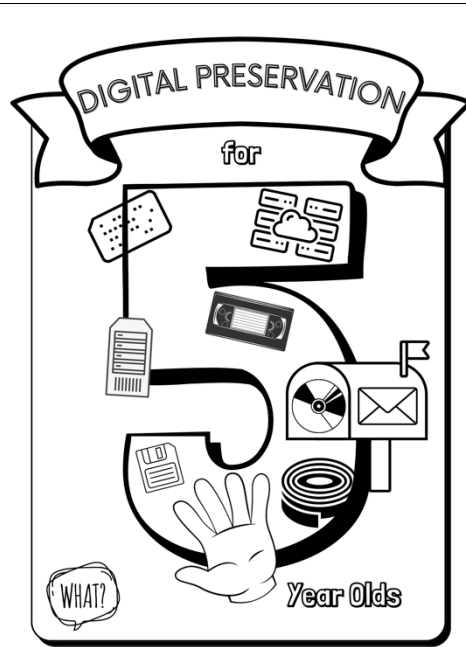
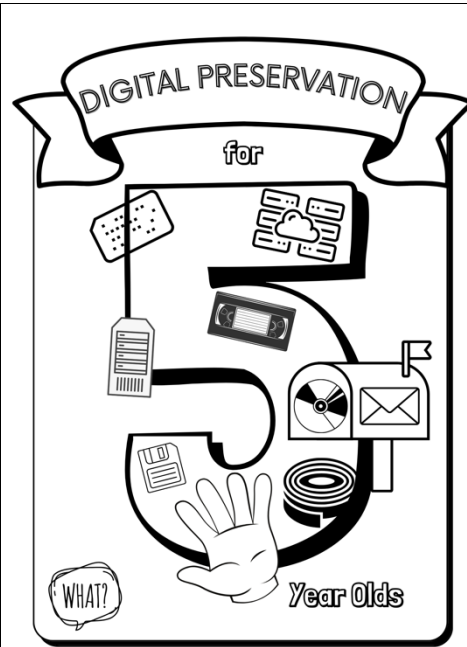
TERM



Proprietary



TERM





This is like a tiny light switch in a computer. It can be either turned on or off, represented as 1 or 0.

By switching the lights on and off in different ways, you can form things like photos, games, and music.



DEFINITION



This is when your digital toys, like photos, videos, or games, start to break or vanish even if no one touched them.

It's like when your toy begins to lose its colour or breaks even though it's carefully stored. Thankfully, the grownups have ways to fix this!



DEFINITION



This is like a picture you drew on a tablet or computer. It never was on paper and you didn't use pencils and crayons to make it. It was made and stays on the computer.



DEFINITION



Think about this like building blocks in your toy set. Each is a piece that the computer uses to save or show information.

For example, if you type a letter on your keyboard, one block is used to store that letter in the computer's memory.



DEFINITION



This is like a special secret code that computers use to make sure the messages they send each other are not mixed up or wrong.

It's like when we count the pieces of a puzzle before we start so we know we are not missing anything.



DEFINITION



Just like Batman needs his utility belt with all his cool tools, computer programs and files need other programs and files to do their job correctly. Without this they wouldn't be able to do what they're supposed to do.



DEFINITION



This is like a super smart detective for computers. It can look at different types of files and tell you what kind they are, even if they've been changed, much like you can tell the difference between a car and a truck just by looking at them.



DEFINITION

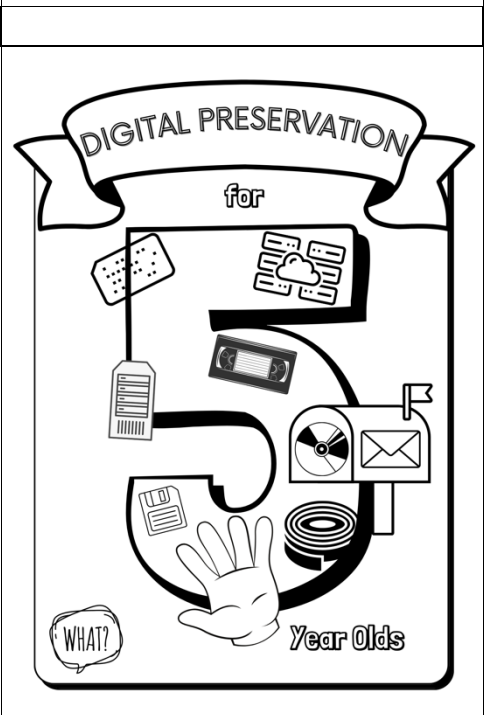
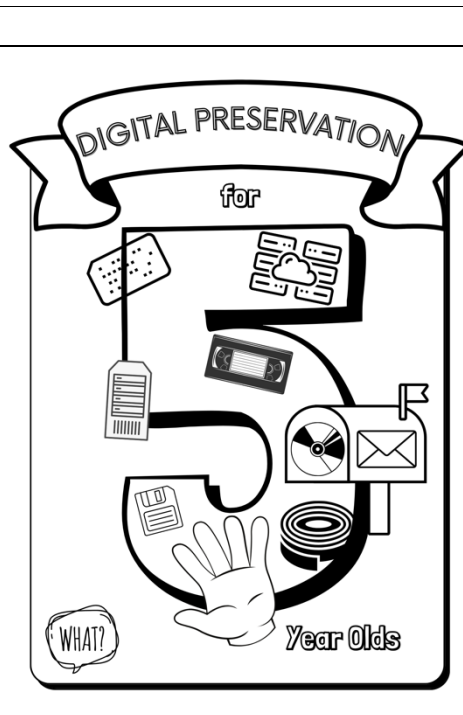
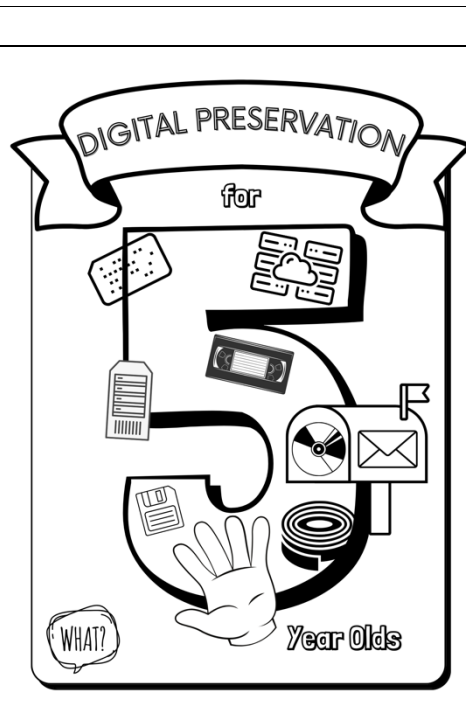
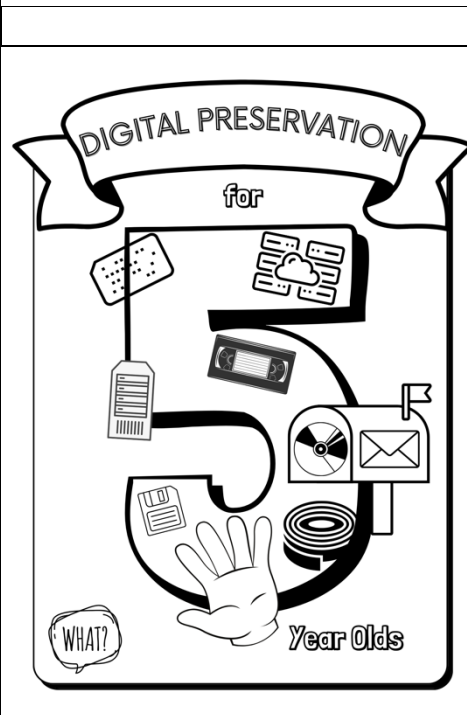
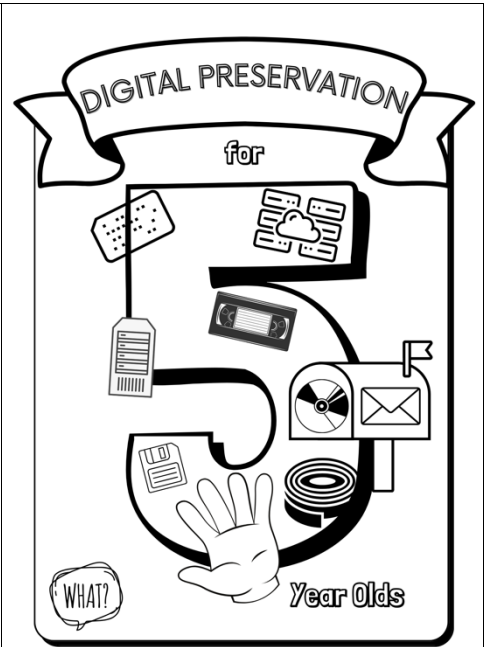
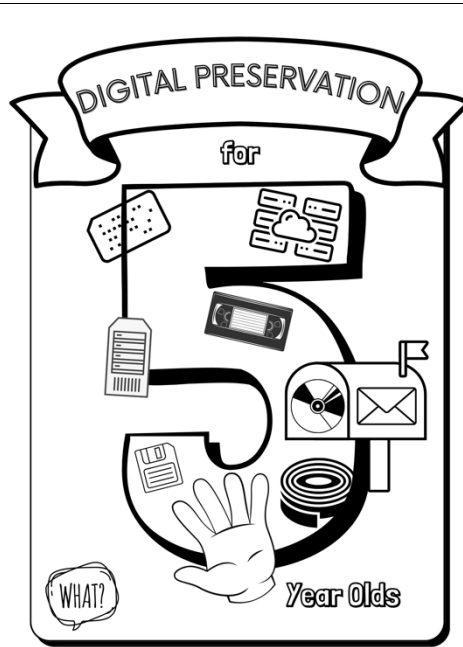
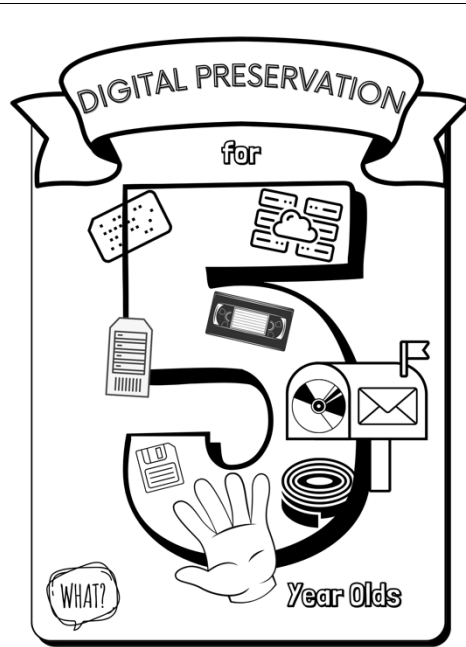
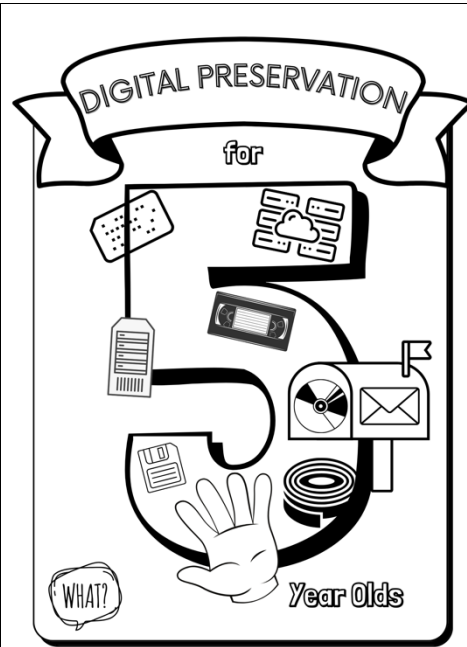


This is like pretending something old is something new.

Imagine if you have an old VHS tape but your player doesn't work anymore, so you use a special machine that pretends the VHS is a DVD.



DEFINITION





This is like a secret language that only you and your computer understand. If someone tries to read your message without the secret key, they just see gibberish. It keeps your stuff safe from people who want to steal it or look at it without permission.



DEFINITION



This is like trying to understand what something is just by looking at it.

Imagine you find a mysterious toy in a box, but it has no label or name. To figure out what it is, you have to look at its shape, colour, and other details. In the same way this helps us learn about computer files by examining their special features and properties without opening them.



DEFINITION



These are like different types of boxes that hold information on a computer. Just like you have different toys that need different boxes, different types of information like pictures, videos, or written words have their own boxes.



DEFINITION



Think about a puzzle you put together. Once you finish it, you want the pieces to stay in their places, right? The puzzle doesn't change on its own, and the pieces don't move around. It means that no matter how much time passes, you can always count on it being just as it was.



DEFINITION



This is like the way we count things, but instead of only having numbers from 0 to 9, we also use letters from A to F. This means we can count up to 15 in one digit. We use it to communicate with computers, because they understand these numbers very well.



DEFINITION



This is like the backbone that supports everything. It includes all the things we need to store and protect digital information, like computers, servers, and data centres. It's like a big, powerful machine that keeps everything safe and running smoothly.



DEFINITION



This is like taking your toys and putting them safely in a box so you can use them later without them getting lost or broken. It's a way of saving your digital stuff, like videos or photos, in a special space where they won't get damaged or disappear.



DEFINITION

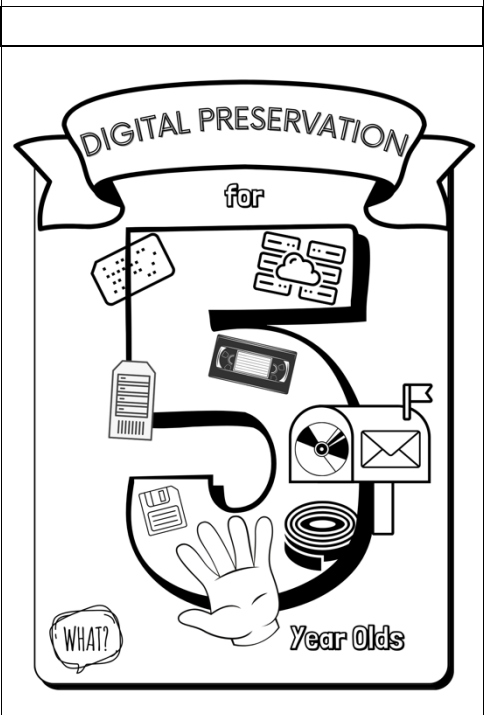
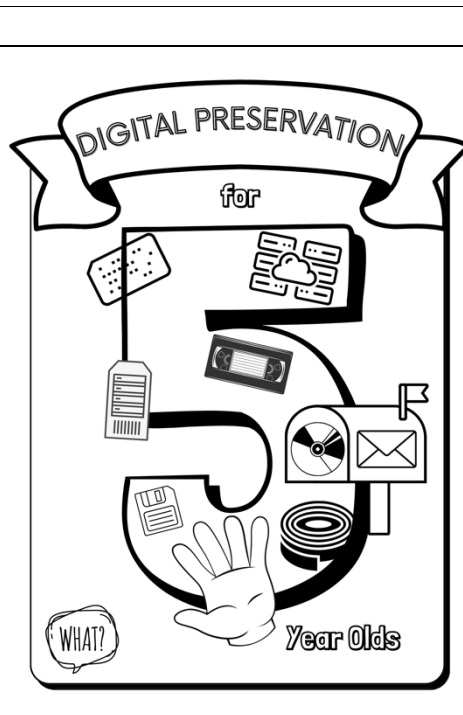
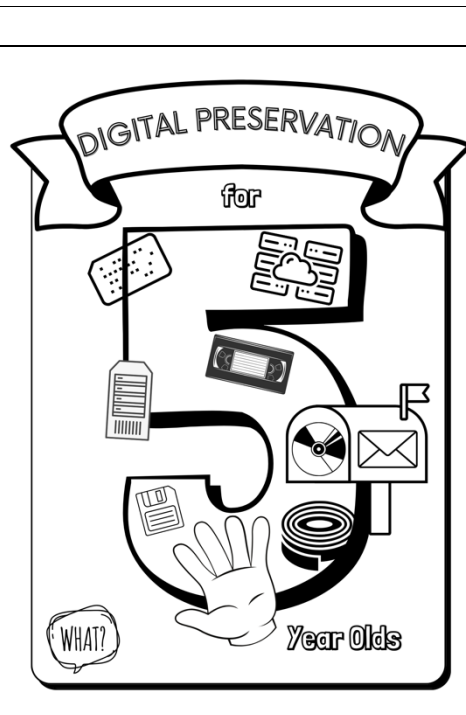
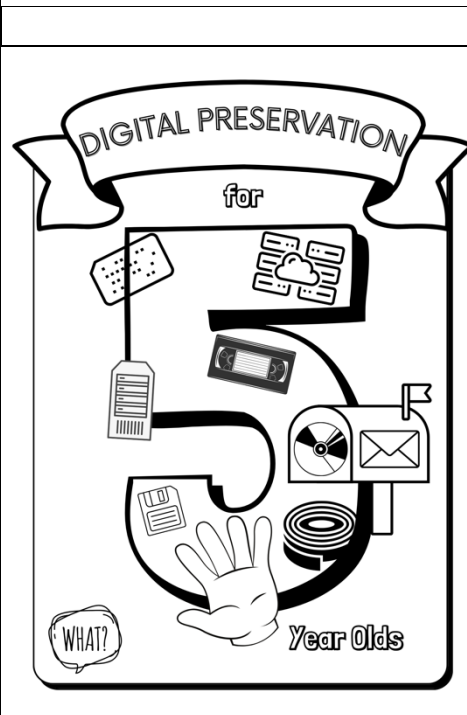
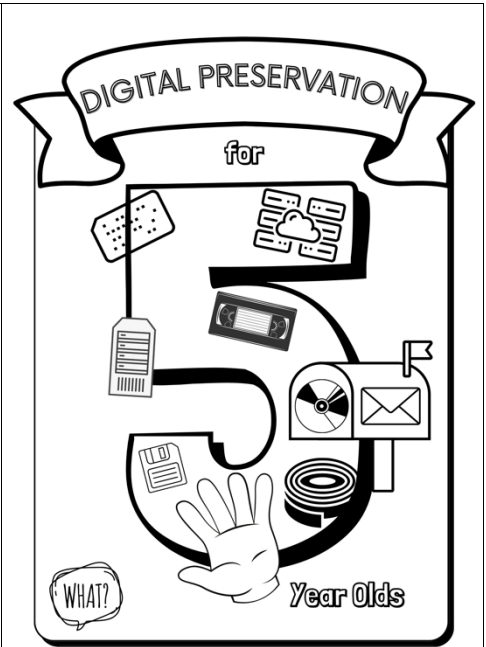
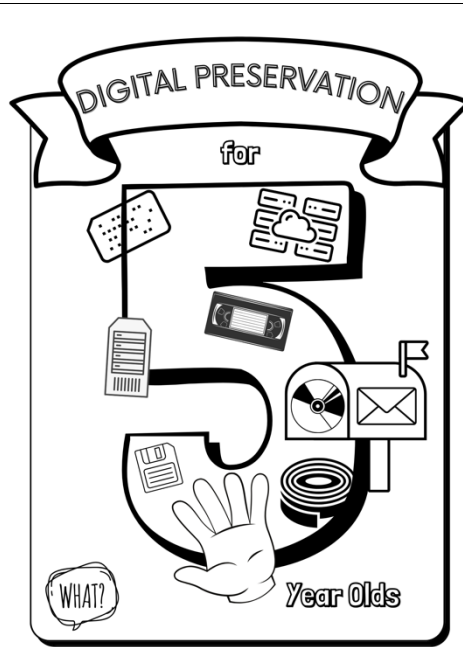
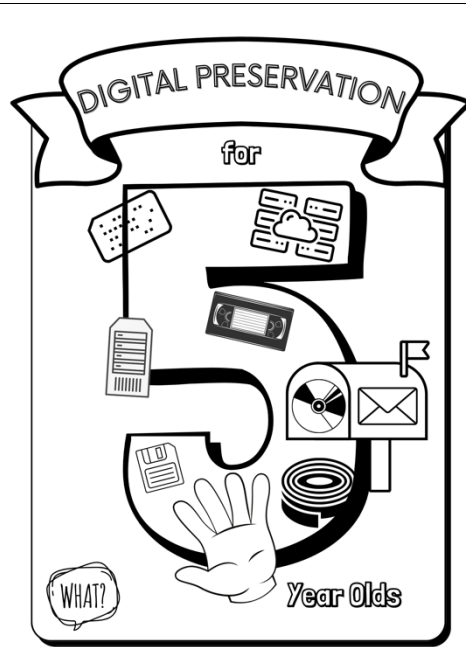
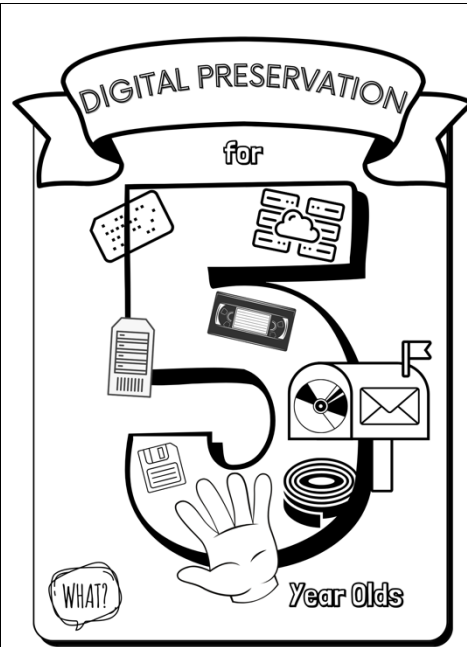


This is like a magic trick! Imagine if you have a big doll house that you couldn't fit into your toy box. Then, a magician comes and uses a magic spell to shrink it down and fit it into the box. The good news is whenever you want, he can undo the magic and your dollhouse would be just as it was before.

In the same way this shrinks files so they take less space, but can bring them back to their original size without losing any information.



DEFINITION





This is like when you use blocks to build a house, but use fewer blocks to make it smaller. You have the same house, it's just not as detailed anymore. In computers this makes a file smaller by removing some details permanently, which makes the file lose some of its quality.



DEFINITION



This is like a flu bug for your computer. It's made by people who want to make your computer sick or take your stuff, like how some bullies want to take your toys.



DEFINITION



This is like a special tag that helps us remember and find things later. It tells us information about something, like when it was made, who made it, and what it's about.



DEFINITION



Imagine your favourite toy getting old and you can't play with it anymore because it's broken, or your friends who have newer toys can't play with it. But then, you find a way to change your toy into a newer, cooler one so you can keep playing with it and your friends can too.



DEFINITION



Imagine you have a special treasure chest where you keep all your favourite toys and things.

This is a fancy way of organising and taking care of all the important information in the world, just like you take care of your special toys in your treasure chest.



DEFINITION



This is like when your favourite toy is no longer being made or sold in stores. It's still useful and fun, but it's harder to find parts if it breaks or get help if you don't know how to use it.

Similarly, old versions of programs or software are sometimes not supported or updated anymore, making them out of date.



DEFINITION



This is like a big, public sandbox where everyone can build sand castles. Anyone can use the sand and the buckets to make their own castle and change and make better other castles. If they think of a cool new way to build, they can show everyone else how to do it too. That way, everyone can work together to make lots of awesome sand castles.



DEFINITION



This is like owning a magical colouring book. This book belongs only to you and only you know how to make the colours appear on the pages. Others can't use or colour in this book unless you give them special permission, and they can't make their own magic colouring book because the secret of how to make it is yours alone.



DEFINITION