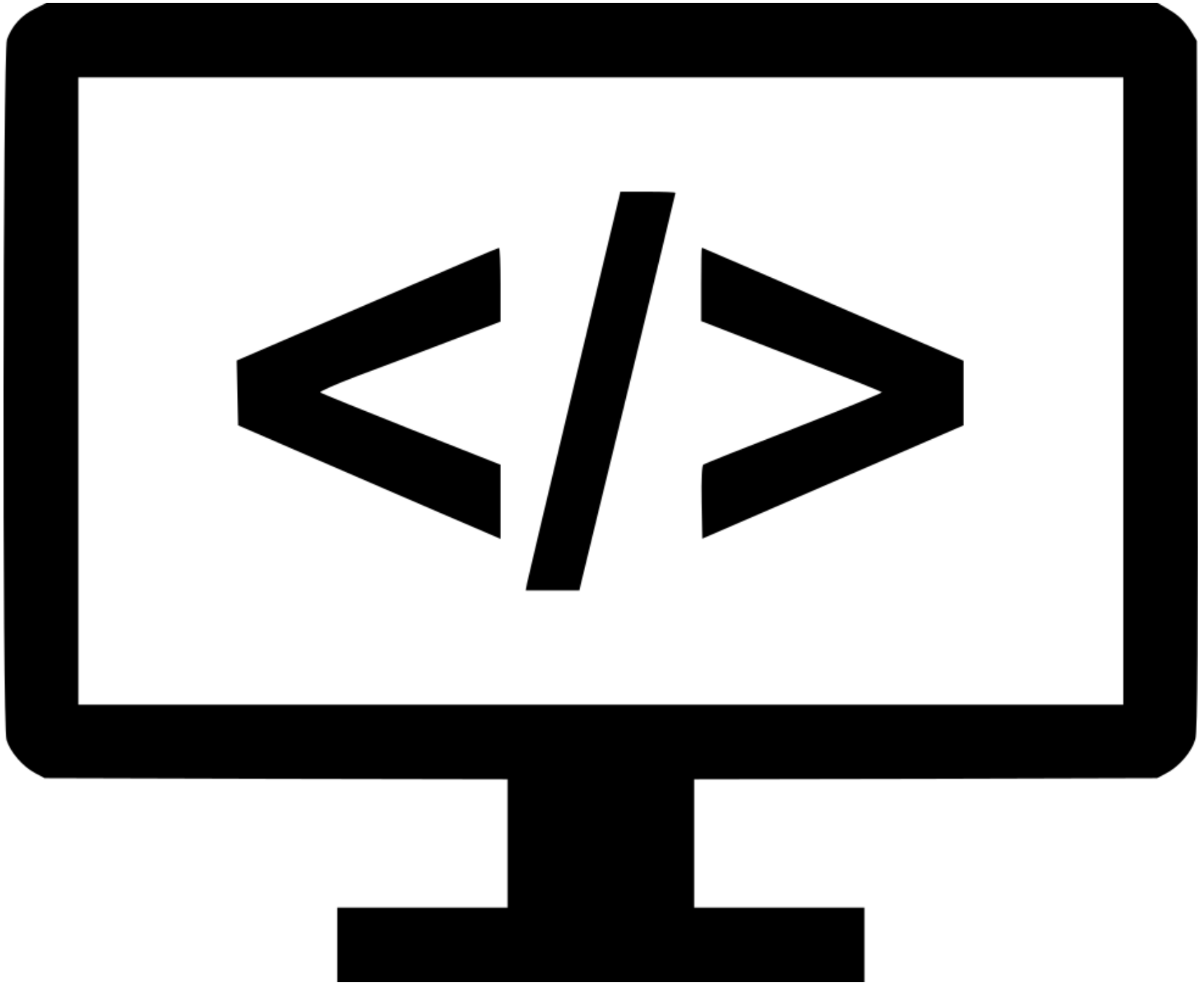
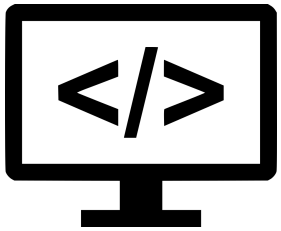
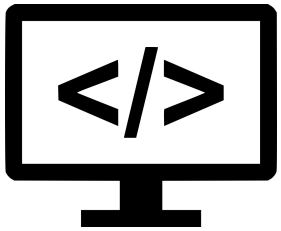




Coding

- I can follow adult instruction to use a bee-bot or a simple remote-control toy.
- I know that an algorithm is a simple set of instructions.
- I can debug simple programs.
- I can use a repeat command.
- I can predict what will happen if I follow a given set of instructions.
- I can read and explain a flow chart.



Coding

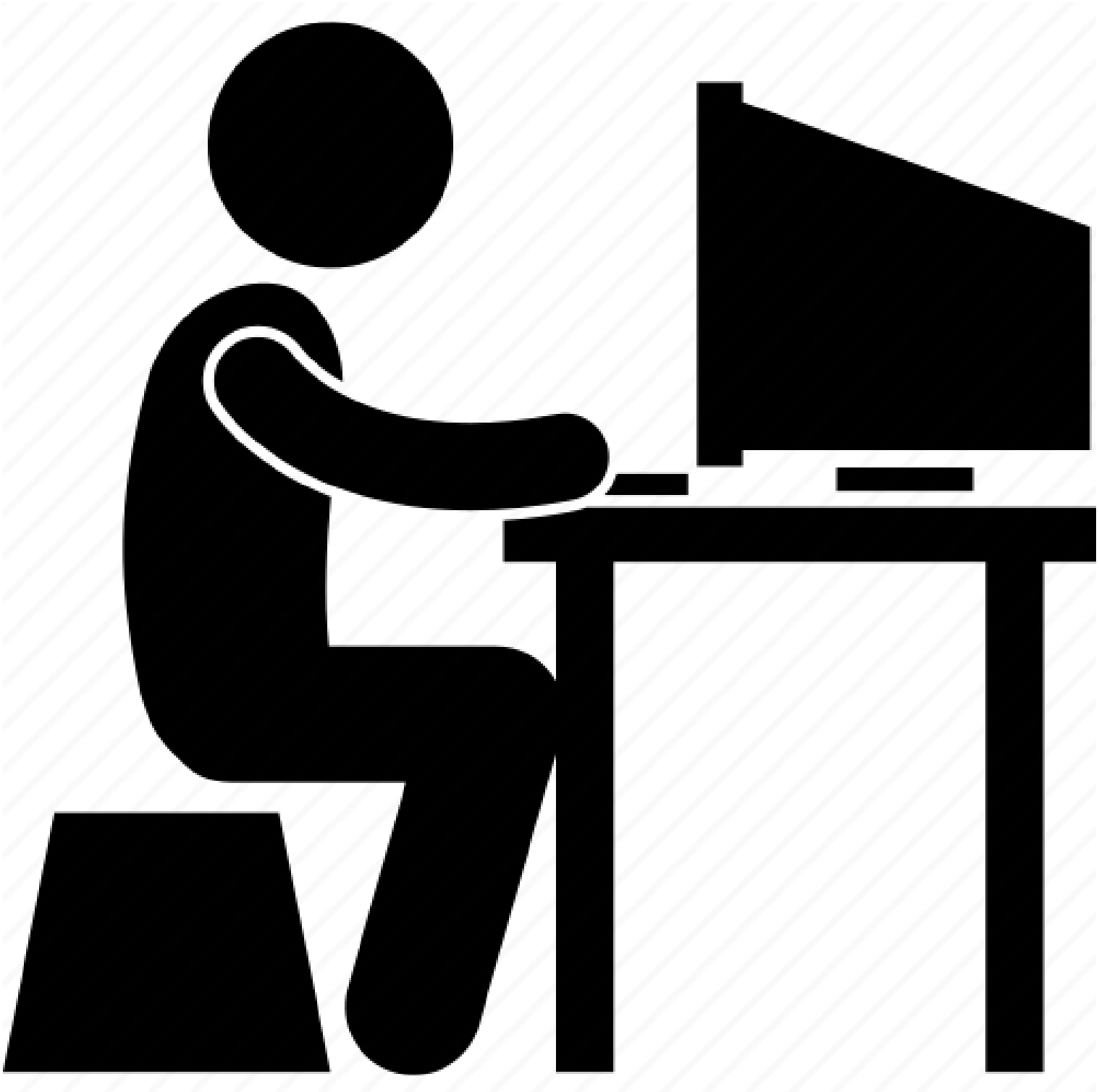
- I understand that backgrounds and objects can be combined to create scenes.
- I can use variables such as IF/ELSE statements.
- I can select the relevant features of a situation to incorporate into a simulation by using decomposition and abstraction.
- I can use variables to control objects in a game.
- I can use variables within a game to keep track of the properties of objects.
- I can adapt an existing text adventure to make it unique to my requirements.

Searching

- I know that a computer can be used to find information.
- I can use safe search engines to search safely.
- I can use links to teacher selected websites to find information.
- I know how to search the Internet and think critically about the results that are returned.

Searching

- I know the importance of considering the reliability of sources for information I find on the internet.
- I can select keywords and search techniques to find relevant information and increase reliability.
- I understand that content on the internet may be subject to copyright.

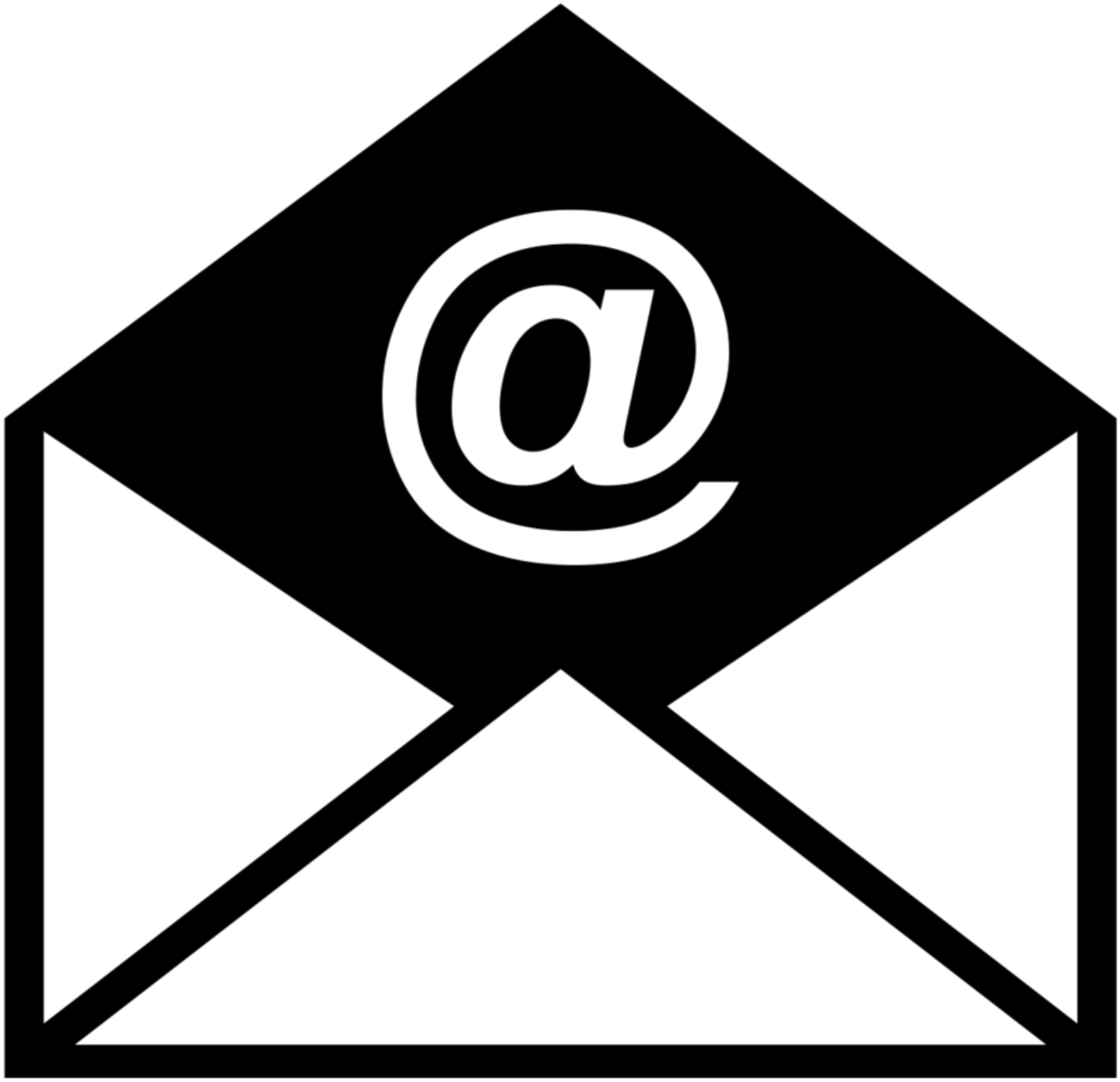


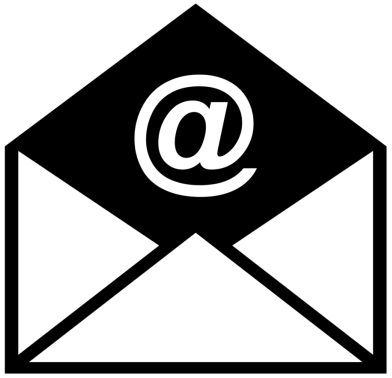
Using Technology

- I can use programs from desktop with adult support.
- I know how to use technology to create digital content.
- I can organise, store, manipulate and retrieve digital content.
- I know how to use and combine a variety of software (including internet services) to design and create content that accomplish given goals.

Using Technology

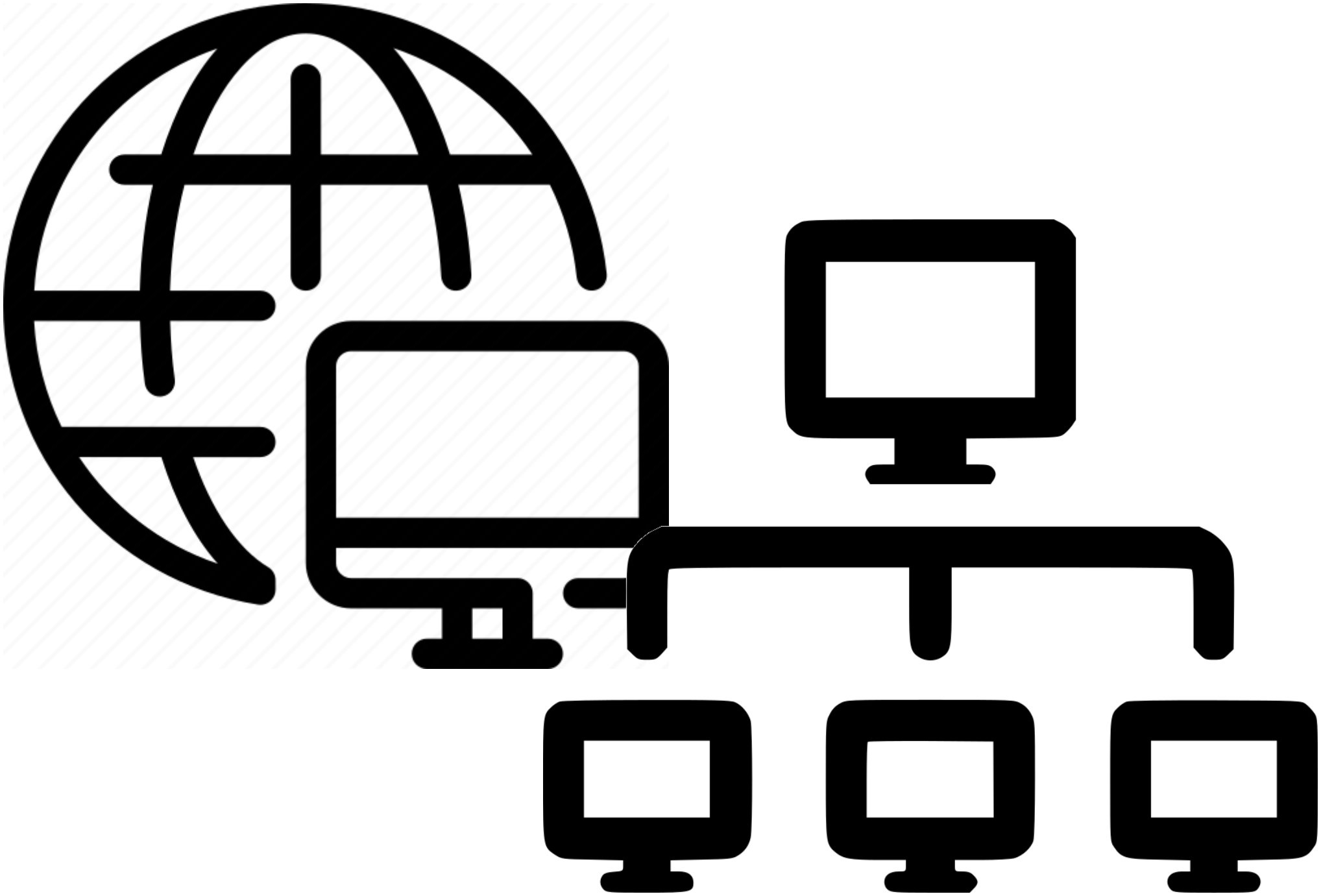
- I know how to select, use and combine a variety of software on a range of digital devices to design and create a range of content that accomplish given goals.
- I know how to select, use and combine a variety of software on digital devices to design and create a range of programs, and content that accomplish given goals.
- I know how to select, use and combine a variety of software to create a range of programs, systems and content that accomplish given goals.

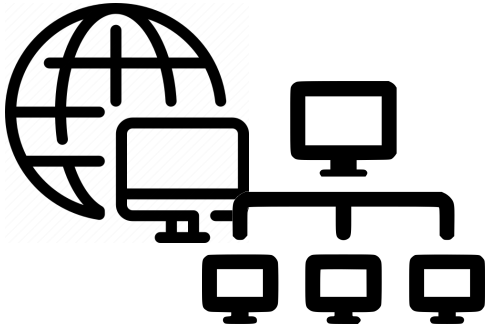




Uses of Technology

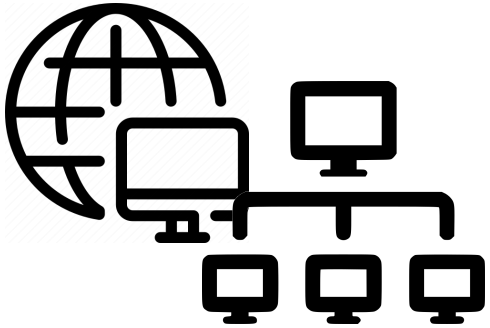
- I can identify different types of technology.
- I can send an email.
- I can send an email with an attachment.





Computer Networks and the Internet

- I can use programs from desktop with adult support.
- I can save my work on Purple Mash.
- I can save my work into a folder on Purple Mash (the internet) and on the school network.
- I understand how computer networks within the school and the internet can support my learning.



Computer Networks and the Internet

- I understand the difference between the internet and the world wide web.
- I understand how the online learning environments can be used for communication and collaboration.
- I know about the school network.
- I know the differences between at least 2 different network types.

Online Safety

- I can talk to an adult about what I use the computer for.
- I know what personal information is and the importance of keeping this private.
- I can identify where to go for help and support when I have a concern.
- I can identify appropriate and inappropriate behaviour online.
- I know some of the effects of playing inappropriate games.

Online Safety

- I can give examples of things that I should not share on my digital footprint.
- I know the SMART rules for keeping safe when online and can explain them to others.
- I know the risks of working online including, sharing location, secure websites, phishing and other email scams.

Handling Data

- I know how to create a pictogram using data collected.
- I can use a binary tree (branching database) to answer questions.
- I can use the search tool to find information on a database.
- I know how to use Yes/No questions to create a branching diagram.

Handling Data

- I can create my own database on a chosen topic.
- I can search a database to answer simple and more complex questions correctly.

Spreadsheets

- I can use the totalling tool on a spreadsheet.
- I can enter data into a spreadsheet.
- I can use more than / less than and equals tool in a spreadsheet.
- I can format numbers on a spreadsheet.
- I can create simple formulae to automatically carry out calculations in a cell.
- I can create a line graph.

Spreadsheets

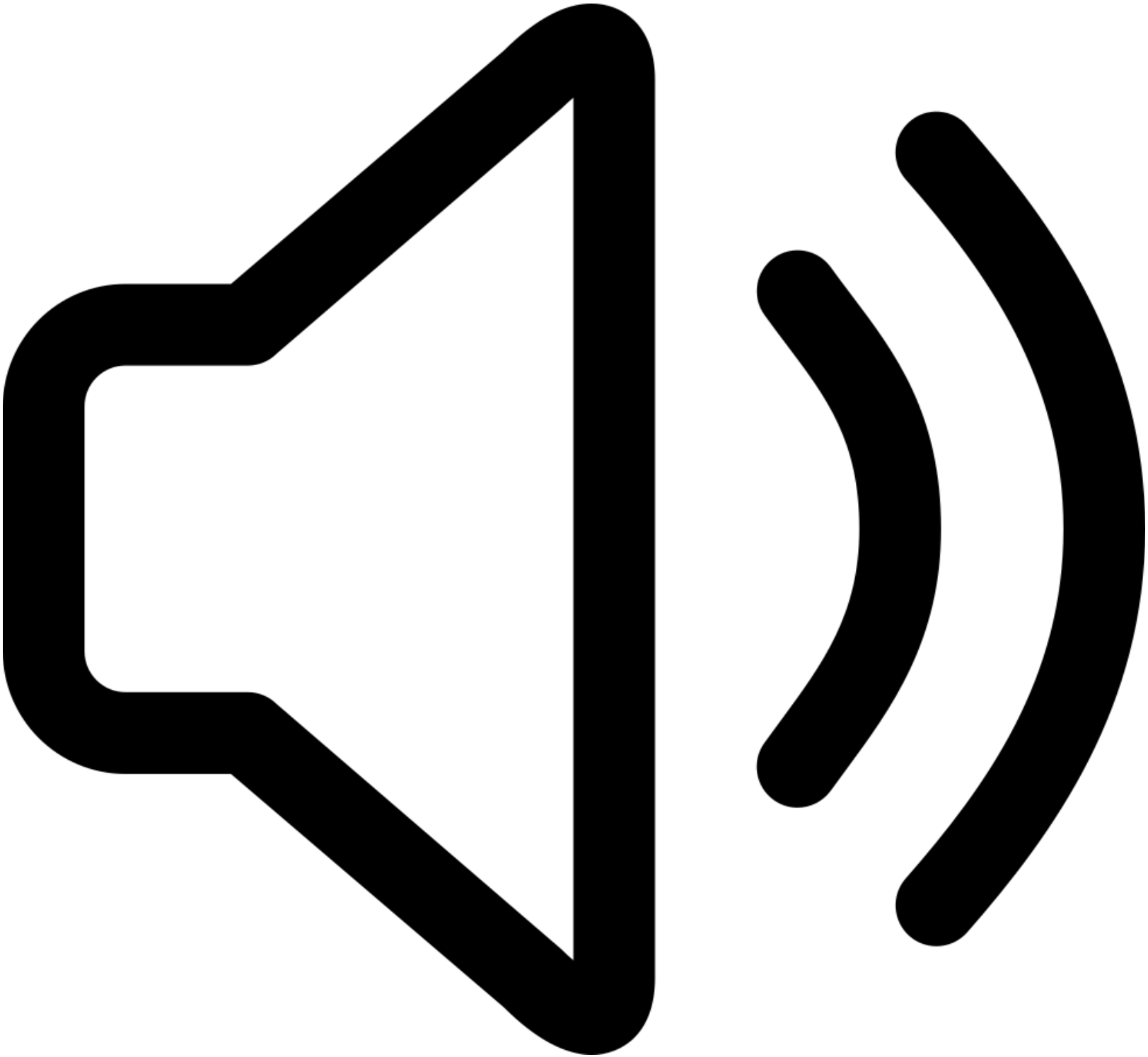
- I can use formulae to convert measurements and solve mathematical calculations such as area and perimeter.
- I can create simple formulae that use different variables.
- I can use a spreadsheet to explore probability and solve problems.
- I can use a spreadsheet to input real-life data and interrogate it.

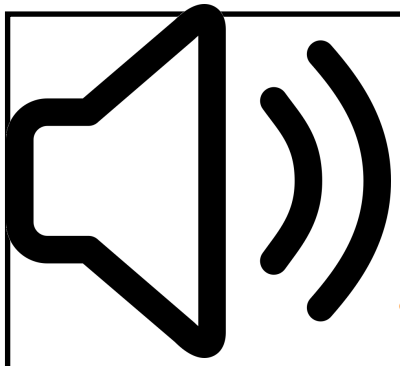
Creating Pictures

- I can use a program to paint a picture with adult support.
- I can colour pictures on Purple Mash.
- I can use a mouse to create a simple picture on 2Paint.
- I can use tools on a Paint program to create different effects.
- I can create a repeating pattern.
- I can create, edit and improve artwork using a Paint program.

Creating Pictures

- I understand how animations are created using frames.
- I can choose the appropriate tool to create a chosen effect.





Sound

- I understand that technology can be used to create music digitally.
- I can change the tempo and volume of my tune.
- I can experiment with pitch, rhythm, and melody to create a piece of music.
- I can use a digital device to record sounds and present audio.
- I know that audio can be manipulated using appropriate software.

Combining Text and Graphics

- I can draw pictures and write about them to create a simple story.
- I can create a simple quiz using text and graphics.
- I understand that questions can take different formats in a quiz.
- I know how to add pictures to a word document.
- I can use a typing program to improve my keyboard skills.

Combining Text and Graphics

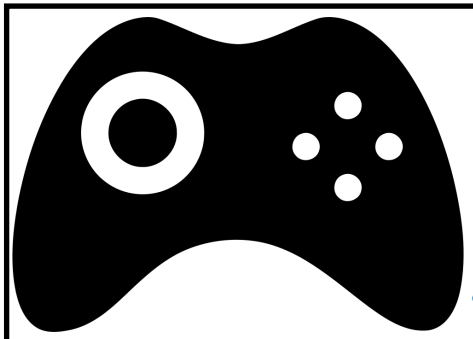
- I can use text formatting to make a piece of writing fit for its audience and purpose.
- I know how to use a desktop publisher to combine text and graphics.
- I can use text wrapping.
- I can add tables to present information.
- I can create newspapers including text and graphics, adding pictures, resizing and changing font.

Presenting Ideas

- I can combine media such as text, pictures and sound to present my ideas.
- I can insert a range of different media into a power point presentation.
- I can make notes on a concept map and use these to present information to the class.

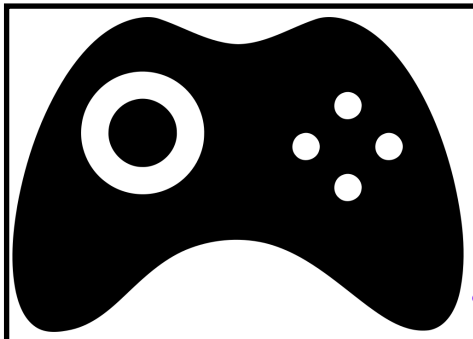
Presenting Ideas

- I can combine a range of media when creating a presentation.
- I can use hyperlinks to make navigation through a presentation easier.
- I can create a blog for a specific purpose.
- I can use a range of media in my blog to engage the reader.



Game Design

- I can use the up and down key to move my character.
- I can change the background in a game.
- I can use 2Code to produce a simple playable game.



Game Design

- I can design and make a game on a selected theme.
- I can create a game environment.
- I can create characters, using animations and sounds.
- I can create, test and debug a story- base, and/or a map-based, adventure.
- I can make logical attempts to debug my code when it does not work correctly.