

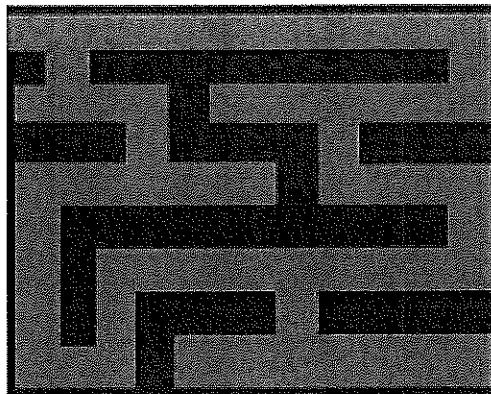
ICT Scratch Project

Design and code a maze game in which a character is guided through a simple maze by the player pressing keys for left, right, up and down movements.

- The character should face in the direction of travel and should not be able to move outside the playing area, bouncing back if it touches the edge.
- If the character touches the walls of the maze then it should return to a predetermined start position.
- If the character is guided successfully around the maze to the finishing point then a message or other indication of success should be displayed.

You can design you maze however you want.

If you do not have access to a computer, design your game using Microsoft PowerPoint. Explain the characters, the story of the game, and how you win.



Saving our Planet

Using ICT you need to produce work that explains & investigates the issues around protecting our planet.

How you present your work is up to you but always check your work before handing it in.

If you have other appropriate software at home you can use that to create work.

Complete as many of the task as you want

Task 1 – Research an issue around protecting our planet.

Task 2 – Plan a logo and poster which explains the issue.

Task 3 – Letter writing

Task 4 – PowerPoint

Task 5 – Statistics

Some issues you could investigate are:


- Recycling plastic
- Animal testing
- Air pollution
- Wildlife conservation
- Rain Forests
- Renewable energy
- Great Barrier Reef

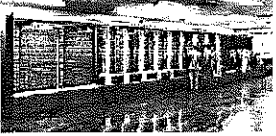
History of Computers

Name: _____

Class: _____

You are going to learn about the development of computers. Whilst you are listening, fill in this sheet with key facts.

Question.	Your answer
1. Who was the first to use an abacus? 	
2. Why did Pascal invent the first calculator in 1645?	
3. What does the "Stepped Reckoner" do that Pascal's machine couldn't?	
4. Who invented the "Difference Engine" and "Analytical Engine"?	
5. Who helped Babbage in his work?	
6. What happened at Bletchley Park in World War 2?	
7. Who invented the machine known as "Colossus"?	
8. Who proved that a machine capable of processing a stream of 1s and 0s was capable of solving any problem?	

<p>9. Who invented this machine and how heavy was it?</p>		
<p>10. Who invented the term “debugging”?</p>		
<p>11. What was the problem with using valves in computers?</p>		
<p>12. Where were the first integrated circuits used?</p>		
<p>13. How old was Bill Gates when he first got interested in programming?</p>		
<p>14. Who did Bill Gates talk into letting him create their operating system?</p>		
<p>15. When was the Apple 1 computer first sold?</p>		
<p>16. When was the iPod first sold?</p>		
<p>17. Who started the company Google?</p>		
<p>18. When was Wikipedia founded?</p>		
<p>19. When did YouTube first appear online?</p>		

History of Computers Word search

Name:		Class:	
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Find the names of key people in computer history in the grid below. Once you have found the name, write what they did to help the progress of computers next to their name.

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K K S I Q O L Y H D V T U E P O V L J H
Q X O X Y U X U J N E K I A D R A W O H
I X F G E U H O L W H L H R C H P K H A
C W Q T O M M Y F L O W E R S O R M L U
S P E J D O P L Z N W D Z Z Z E N E X L
E N L L I Y P E X F T T P F Y X T L A P
R A L A E Y X L Y B L I K K C A J D D T
G O Q C G L M P G P C J W N X R Y N C I
E R Q S W T B J G N I R U T N A L A M D
Y E J A U E N H E P D J H M U E R U I J
B I V P K L X X X C G L A G F Z A K C S
R P E E G K W K E R J H U K N J L R W E
I A G S T H J I G A Z S E R Y V N G M W
N N A I M Q A M E T T C F I T P W N Z Z
S N P A P D L L K A U B O H R U K C L C
G H Y L U L P I A G T K Z D N Z P E R J
D O R B L F G D T E H H Q S C S H U K V
Y J R V C H A R L E S B A B B A G E Z W
U O A S B O J E V E T S R Q K S V R T V
U V L Z E F F B I L L G A T E S E S N X
    
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Peoples' Names

Name	What did they do to help the progress of computers?
Alan Turing	
Bill Gates	
Blaise Pascal	
Charles Babbage	
Howard Aiken	
Jack Kilby	
John Napier	
Lady Augusta Ada	
Larry Page	
Sergey Brin	
Steve Jobs	
Tommy Flowers	

