Spring 2 - Week 1 – Computing SYSTEMS

This week you are going to be learning about how systems work. A system can be a physical computer or something that works *like* a computer. Click this link to complete the lesson:

https://classroom.thenational.academy/lessons/computer-systems-and-us-c4rk2r?step=1&activity=video

On the next page you will find the resources you need to complete with the lesson (The lesson will tell you when you need them).
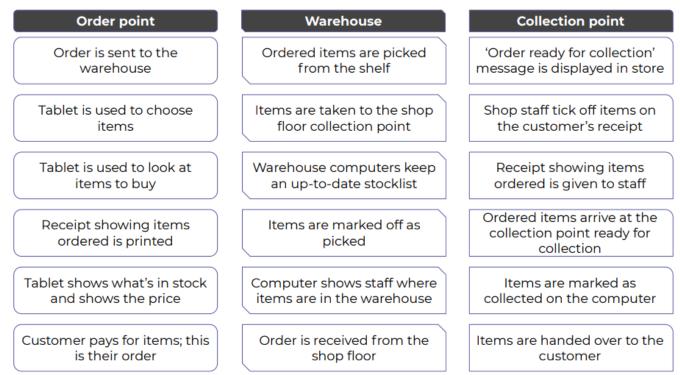

After the lesson, you will need to complete the Exit Quiz:

 https://classroom.thenational.academy/lessons/computer-systems-and-us-c4rk2r?step=3&activity=exit_quiz

Task 1

	Timed crossing	Sensor crossing
Allows pedestrians to stop the traffic, to help them cross safely		
Gives pedestrians time to cross the road		
Stops the traffic for no longer than necessary		
Adapts to pedestrians walking at different speeds		
Indicates when to cross and when not to		
If someone presses the button and then walks away, it doesn't stop the traffic		
When someone presses the button, the lights will eventually change		
The lights will change only if you're standing in the correct place		
When there is a lot of traffic, the lights may wait for a few seconds before changing, to let the traffic pass		

Task 2

Order point	Warehouse	Collection point
Order is sent to the warehouse	Ordered items are picked from the shelf	'Order ready for collection' message is displayed in store
Tablet is used to choose items	Items are taken to the shop floor collection point	Shop staff tick off items on the customer's receipt
Tablet is used to look at items to buy	Warehouse computers keep an up-to-date stocklist	Receipt showing items ordered is given to staff
Receipt showing items ordered is printed	Items are marked off as picked	Ordered items arrive at the collection point ready for collection
Tablet shows what's in stock and shows the price	Computer shows staff where items are in the warehouse	Items are marked as collected on the computer
Customer pays for items; this is their order	Order is received from the shop floor	Items are handed over to the customer

How does a system help?

The customer

The store workers