



Location:

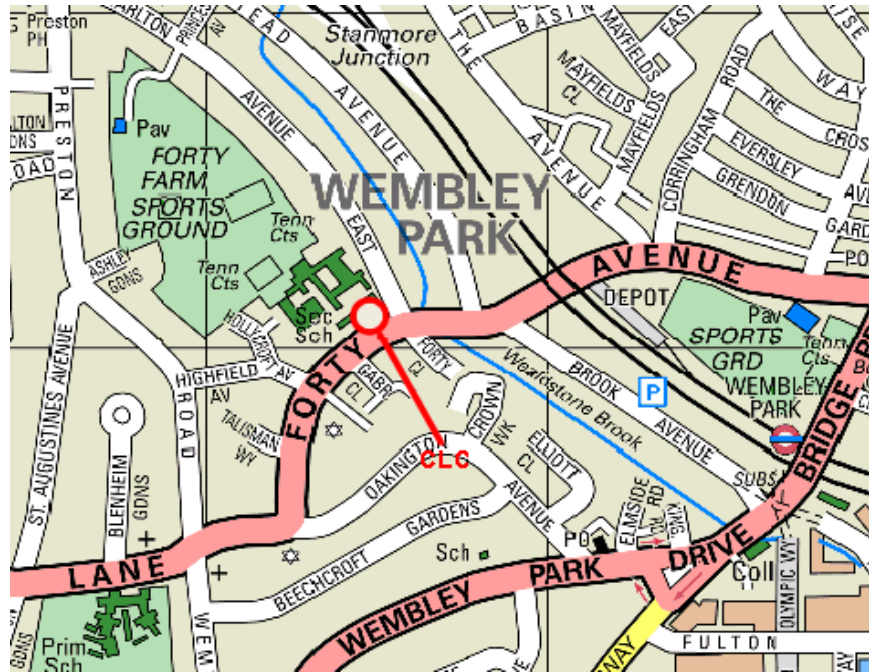
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Nearest tube stations:

Wembley Park
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www.brentclc.com



CONTROL TECHNOLOGY

The City Learning Centre is continuing to offer exciting short courses for year 5 and 6 classes in Control technology, using Robolab software to cover the requirements for KS2

Pupils learn about the benefits and uses of computer control in everyday items, they describe simple procedures using flow diagrams. They write programs to control devices and test them using

the LEGO RCX mindstorms robot. Pupils modify their program to respond to sensory inputs such as contact and light.

Visit the courses and bookings section of our website or click on the control technology link on the homepage to find out more and book a place on the introductory course.

LEGO MINDSTORMS ROBOT TECHNOLOGY for KS2 and KS3

Key Components

The RCX is the programmable LEGO brick that transforms models into robots and controls their actions. Students build models and robots using the RCX as the brain.

They then use the ROBO LAB software to write a program and download it to the RCX via the Infrared Tower.

After being programmed, the robots are fully autonomous, acting on their own with no support from the computer. Robots take action, interacting with their environment and making decisions based on input from their surroundings, via sensors. Two RCX bricks can even communicate with one another using their infrared eyes.

CONTROL TECHNOLOGY WORKSHOPS

The course consists of two 90 minute units, which could be timetabled either as a whole day or 2 visits, and is available **free of charge** to **Brent Primary schools**. From September our expert facilitators will be leading exciting short courses, using Robolab hardware and software, covering the following NC targets:

- 5e controlling devices**
- 6c control and monitoring - what happens when and linking to ICT KS2 1b, 2b, 4a, b, c and 5c**

Primary school Staff are invited to attend an **introductory meeting** to inform them about the Centre's Control technology provision which covers KS2 of the National curriculum. There will also be a **presentation/demonstration** of the software and hardware and schemes of work. Staff will have an opportunity to **try out** the equipment and **obtain information** on how to **book** for their classes. Contact charlesmaxwell@brentclc.com or fill in the **faxback form** and Fax or post it to the City Learning Centre. Checkout the teacher training section of our website for the date of the next introductory meeting.