



**INTRODUCING AND INSPIRING CHILDREN AGED 8 - 13 YEARS FOR OPPORTUNITIES IN STEM (SCIENCE, TECHNOLOGY, ENGINEERING AND MATHS)**

**AUTUMN HALF TERM 2018  
29TH OCTOBER - 2ND NOVEMBER**  
AUTUMN STEM CHALLENGE CREATED BY WORCESTERSHIRE COUNTY COUNCIL AND PARTNERS. A WEEK OF FREE ACTIVITIES AND WORKSHOPS IN LIBRARIES ACROSS THE COUNTY.



## POP UP SCIENCE EXHIBITION

Cheltenham Science Group are really excited to be popping up at Warndon library in The Fairfield Centre this half term (29th October - 2nd November) offering young people and their families the opportunity to be inspired through Science.

Come and have a go at the popular hands-on science exhibits including the vertical wind tunnel, gear wall, microscope and Morse code. In addition, each day there will be a different activity or experiment for you to try.

## LEGO MINDSTORMS ROBOTICS run by STEMworks

Put your programming skills to the test using LEGO Mindstorms Robotics. In this challenge you will build your own LEGO robot and learn the necessary programming skills in order to navigate your robot through a series of increasingly difficult challenges. You will also need to make modifications to your robot as you go.

This challenge will test your teamwork, communication skills and resilience! The winner at the end of the day will take away a SPHERO Mini. Limited spaces available. Booking essential.

## CARGO DROP run by Worcestershire Apprenticeships

You are part of a design team for a humanitarian aid organisation and are planning to drop emergency supplies to a remote village. Design and build a cargo carrier to safely drop the fragile aid package using the materials provided.

This STEM activity lasts 1 hour, covering all aspects of engineering from designing, creating, building, testing and costing, along with a fun hands on activity. Booking essential.

	Monday 29th Oct	Tuesday 30th Oct	Wednesday 31st Oct	Thursday 1st Nov	Friday 2nd Nov
Bromsgrove Library	Cargo Drop 10am - 11am		LEGO 10am - 3pm		
	Cargo Drop 11.30am - 12.30pm				
Droitwich Library			Cargo Drop 1pm - 2pm		LEGO 10am - 3pm
			Cargo Drop 2.30pm - 3.30pm		
Evesham Library		Cargo Drop 1pm - 2pm		LEGO 10am - 3pm	
		Cargo Drop 2.30pm - 3.30pm			
Redditch Library		LEGO 9.30am - 2.30pm			Cargo Drop 10am - 11am
					Cargo Drop 11.30am - 12.30pm
Warndon Library in the Fairfield Centre	Pop Up Science Exhibition 10am - 4pm	Pop Up Science Exhibition 10am - 4pm	Pop Up Science Exhibition 10am - 4pm	Pop Up Science Exhibition 10am - 4pm	Pop Up Science Exhibition 10am - 4pm

## TO BOOK ON AN EVENT

Contact the Library via Facebook,  
speak to a member of staff  
or call 01905 822722