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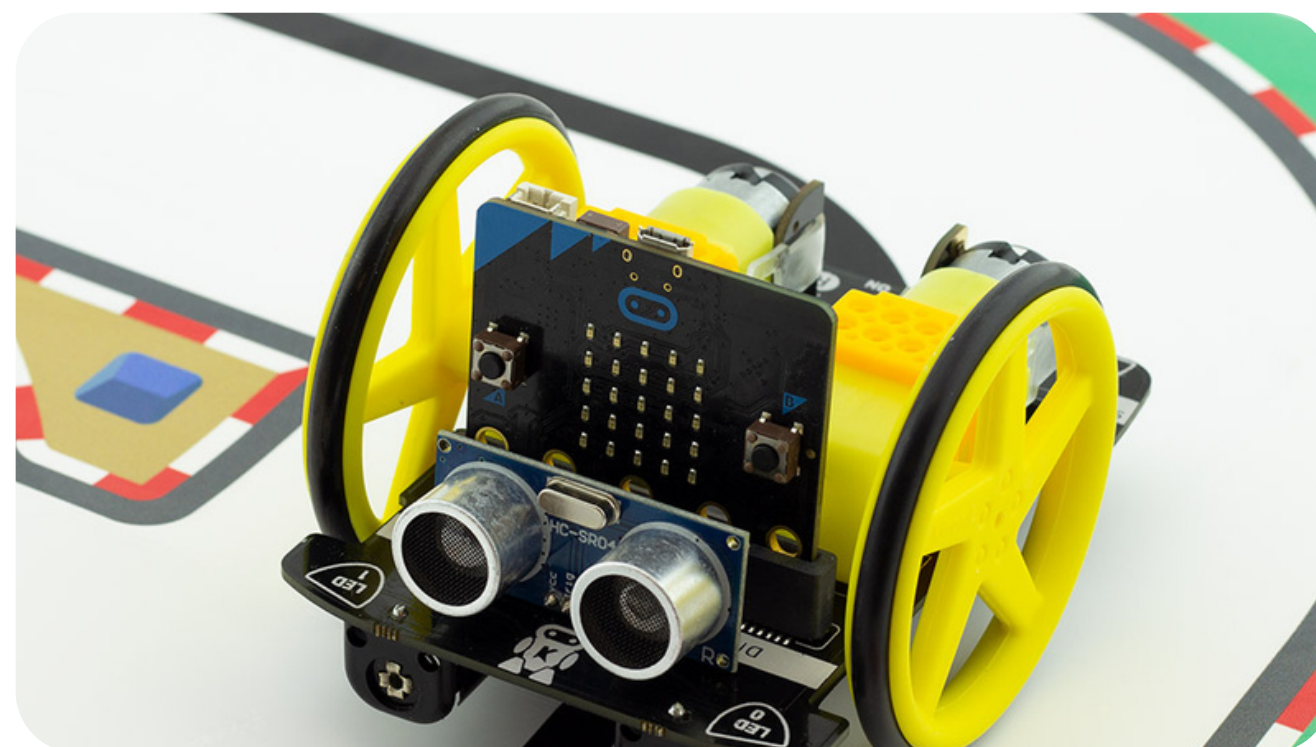


Introduction 2 Engineering & Manufacturing Workshops for Secondary Schools in Conwy



Speed Challenge

EESW Speed Challenge is a fantastic two-hour activity where pupils get to experience the exciting world of CO2 powered model racing cars. Pupils work in teams to build and race their cars on our purpose-built floor track to see which team has produced the fastest CO2 powered car.



BBC micro:bit Workshop

In this BBC micro:bit workshop, pupils are guided through a series of challenges where they will create code to move a microbit robot through a series of tasks. Pupils program a transmitter and receiver to introduce remote control, adjusting their code throughout to improve their robot's performance.

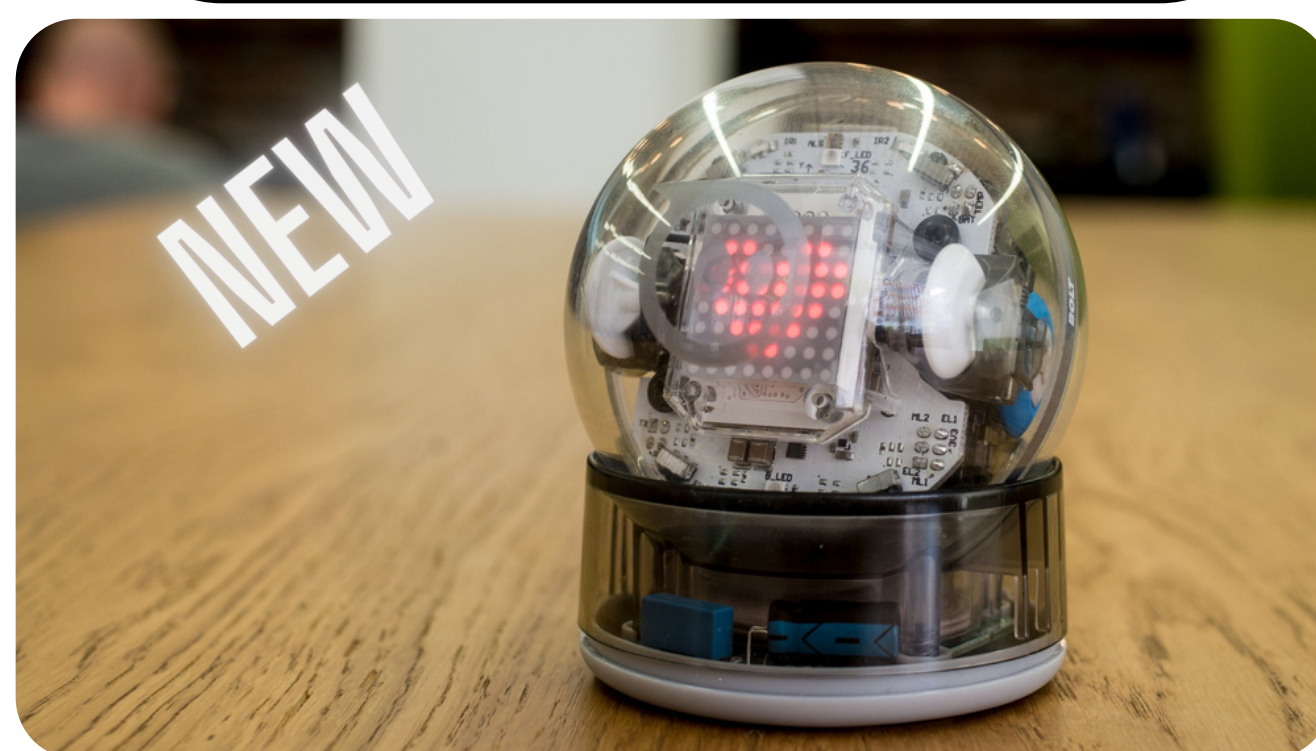
Wind Turbine Workshop

Working in small teams, pupils use our redesigned kits to build their own wind turbine and measure the energy generated. Pupils learn how they work, how they are engineered and constructed, and are tasked to create and record the most efficient wind turbine.



Spheros Workshop

Our latest workshop introduces pupils to the exciting world of Spheros. Working in groups, pupils apply new skills to create and refine programmes and coding, plus navigate through progressive challenges which include data collection and problem-solving skills. Let your pupils be amazed by the motion and control which makes up coding Spheros.



Website:
STEMCymru.org.uk

Contact:
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or call 01656 669381
to book



Follow us on our socials

@EESWSTEMCymru

Fully funded workshops for secondary
schools in Conwy

**THE PROJECT IS FUNDED BY
THE UK GOVERNMENT,
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**LEVELLING
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Wedi ei ariannu gan
Llywodraeth y DU

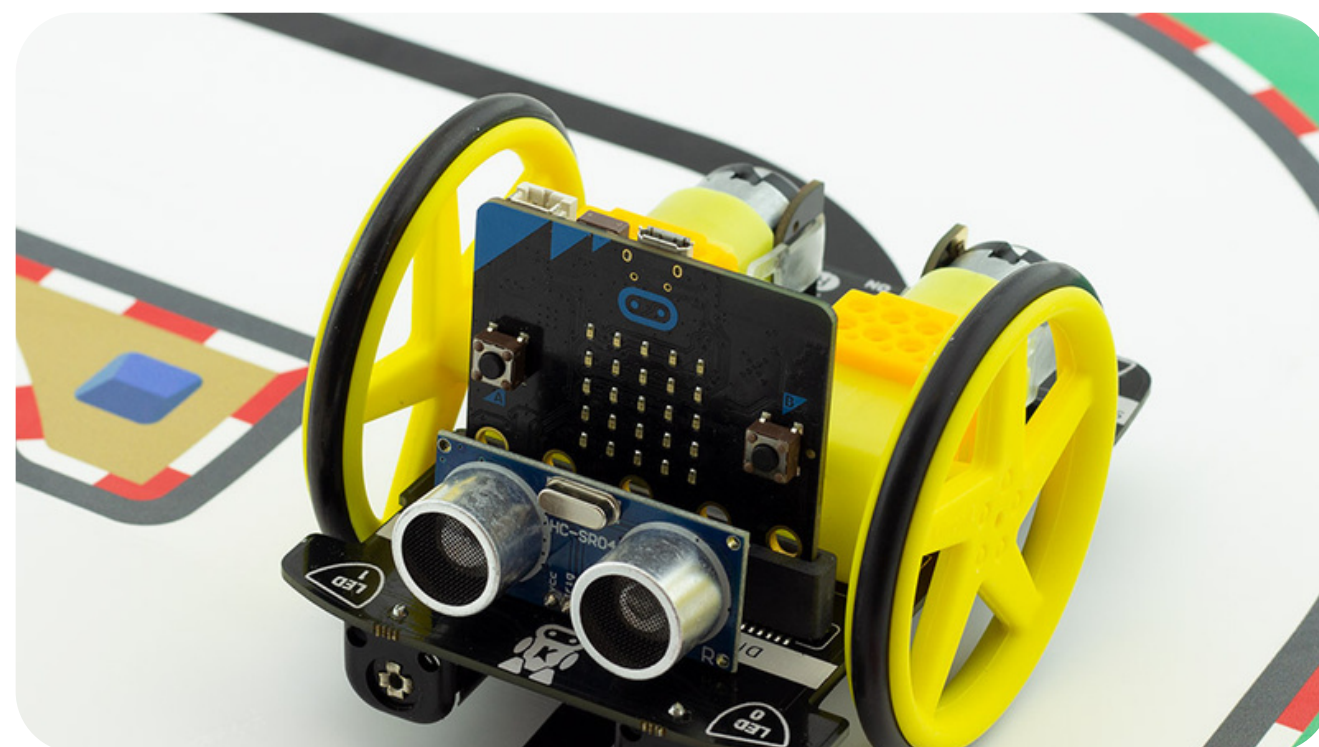


Cyflwyniad i Beirianeg a Gweithgynhyrchu Gweithdai ar gyfer Ysgolion Uwchradd Conwy



Sialens Cyflymder

Mae Sialens Cyflymder EESW yn weithgaredd dwy awr wych lle mae disgyblion yn cael profi byd cyffrous ceir rasio model wedi'u pweru gan CO₂. Mae disgyblion yn gweithio mewn timau i adeiladu a rasio eu ceir ar ein trac llawr pwrpasol i weld pa dîm sydd wedi cynhyrchu'r car sy'n cael ei bweru gan CO₂ cyflymaf.



Gweithdy BBC micro:bit

Yn y gweithdy micro:bit BBC, caiff disgyblion eu harwain trwy gyfres o heriau lle byddant yn creu cod i symud robot Microbit trwy gyfres o dasgau. Mae disgyblion yn rhaglennu trosglwyddydd a derbynnydd i gyflwyno teclyn rheoli o bell, gan addasu eu cod drwyddo draw i wella perfformiad eu robot.

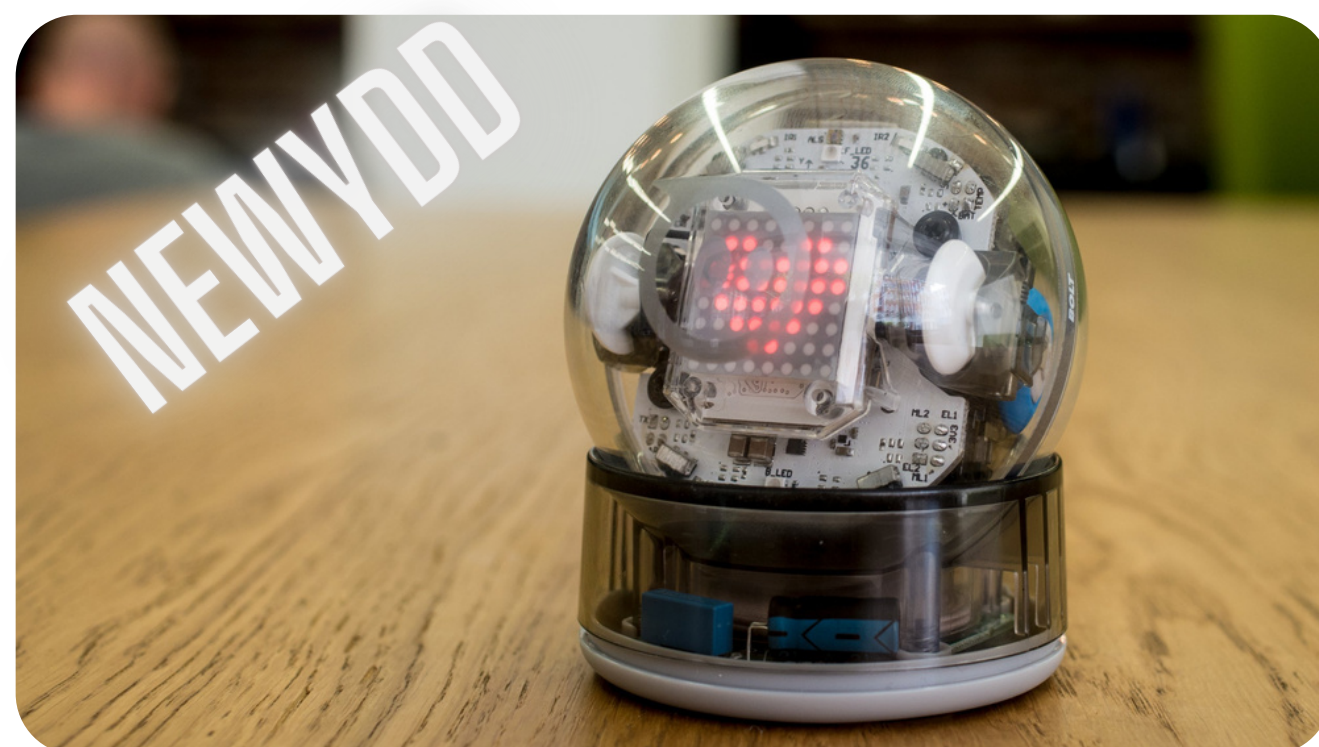
Gweithdy Tyrbinau Gwynt

Gan weithio mewn timau bach, mae disgyblion yn defnyddio ein citiau wedi'u hailgynllunio i adeiladu eu tyrbin gwynt eu hunain a mesur yr ynni a gynhyrchir. Mae disgyblion yn dysgu sut maen nhw'n gweithio, sut maen nhw'n cael eu peiriannu a'u hadeiladu, ac maen nhw'n cael y dasg o greu a chofnodi'r tyrbin gwynt mwyaf effeithlon.



Gweithdy Spheros

Mae ein gweithdy diweddaraf yn cyflwyno disgyblion i fyd cyffrous Spheros. Gan weithio mewn grwpiau, mae disgyblion yn cymhwyso medrau newydd i greu a mireinio rhaglenni a chodio, ac yn llywio trwy heriau cynyddol sy'n cynnwys sgiliau casglu data a datrys problemau. Gadewch i'ch disgyblion gael eu syfrdanu gan y symudiad a'r rheolaeth sy'n rhan o'r codio Spheros.



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Dilynwch ni ar gyfryngau
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Gweithdai wedi'u hariannu'n llawn ar gyfer
ysgolion uwchradd Conwy

ARIENNIR Y PROSIECT GAN
LYWODRAETH Y DU,
WEDI EI YRRU GAN FFYNIANT BRO

WEDI'I YRRU GAN

FFYNIANT
— BRO —