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| **YESC Autumn Term Update 2020** |

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| [UPDATE YOUR DETAILS](https://outlook.office.com/mail/inbox/id/AAMkADUyZDY4Y2I4LTAyYmEtNGU1Mi04NmI0LWUzZDY3YjE2MmNkNgBGAAAAAAC4EGw/xFVFSrdURO5La6QfBwDKE20h%2BZv9Sp7x3FwW0b2SAAAATnZwAABKVRbIzR/PRI6ktR3vRIPZAAbU4qYzAAA%3D#x_x_x_UPDATE)**:**[CURRENT PROJECTS](https://outlook.office.com/mail/inbox/id/AAMkADUyZDY4Y2I4LTAyYmEtNGU1Mi04NmI0LWUzZDY3YjE2MmNkNgBGAAAAAAC4EGw/xFVFSrdURO5La6QfBwDKE20h%2BZv9Sp7x3FwW0b2SAAAATnZwAABKVRbIzR/PRI6ktR3vRIPZAAbU4qYzAAA%3D#x_x_x_CURRENT)**:**[OPPORTUNITIES FOR SCHOOLS](https://outlook.office.com/mail/inbox/id/AAMkADUyZDY4Y2I4LTAyYmEtNGU1Mi04NmI0LWUzZDY3YjE2MmNkNgBGAAAAAAC4EGw/xFVFSrdURO5La6QfBwDKE20h%2BZv9Sp7x3FwW0b2SAAAATnZwAABKVRbIzR/PRI6ktR3vRIPZAAbU4qYzAAA%3D#x_x_x_OPPORTUNITIES)**:**[DIARY DATES](https://outlook.office.com/mail/inbox/id/AAMkADUyZDY4Y2I4LTAyYmEtNGU1Mi04NmI0LWUzZDY3YjE2MmNkNgBGAAAAAAC4EGw/xFVFSrdURO5La6QfBwDKE20h%2BZv9Sp7x3FwW0b2SAAAATnZwAABKVRbIzR/PRI6ktR3vRIPZAAbU4qYzAAA%3D#x_x_x_DIARY)**:**[KEEP IN TOUCH](https://outlook.office.com/mail/inbox/id/AAMkADUyZDY4Y2I4LTAyYmEtNGU1Mi04NmI0LWUzZDY3YjE2MmNkNgBGAAAAAAC4EGw/xFVFSrdURO5La6QfBwDKE20h%2BZv9Sp7x3FwW0b2SAAAATnZwAABKVRbIzR/PRI6ktR3vRIPZAAbU4qYzAAA%3D#x_x_x_KEEP) |

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| Welcome back! I hope you all had a lovely October break and are enjoying the new school year so far.   In the Spring of 2020, COVID-19 made an impact on the lives of everyone across the UK, including teachers and young people.  It was a time for everyone to adapt and look at new ways of working.   Young Engineers and Science Clubs have evolved to deliver our programme online. Therefore, we are excited to bring you our first newsletter for 2020-21 and hope you’ll find something of interest. Keep in touch throughout the year and we look forward to working with you all!  |

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| **UPDATE YOUR DETAILS** |

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| Please use our[online form](https://scdi.us2.list-manage.com/track/click?u=a88cc72c4f04eaa6c2c8ae306&id=d0fc3e4d57&e=71c232b113)to keep us informed of any changes of staff so we can ensure this newsletter and information about relevant opportunities gets to the right people. We sometimes have opportunities available at very short notice due to cancellations from other schools and wouldn’t want your school to miss out.   Occasionally school systems can block this form so if you do not receive an automated acknowledgement within a few minutes your form has not been received.  Alternatively, you can email details to yesc@scdi.org.uk In the meantime we’d be grateful for your support in circulating this information to relevant colleagues.   You can view SCDI’s Privacy Policy [here](https://scdi.us2.list-manage.com/track/click?u=a88cc72c4f04eaa6c2c8ae306&id=d27634da77&e=71c232b113).  |

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| **CURRENT PROJECTS** |

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| **Climate Smarter P & S**Building on a successful pilot last year and thanks to the ongoing support of our project partners Vattenfall and Wood we are delighted to be able to offer this resource to a further 50 schools this year.  The Climate Smarter project provides schools with the resources to investigate how energy is produced, used, and how this is affecting the world around us.  The kit of resources provided allow pupils to run hands-on experiments in class, culminating in the schools designing and building a model of their future smart eco-school.This project also incorporates significant digital elements, making use of the BBC micro:bit as a sensor and smart controller.**Please**[click here](https://scdi.us2.list-manage.com/track/click?u=a88cc72c4f04eaa6c2c8ae306&id=0b96b2a99f&e=71c232b113)**and read the teacher brief carefully and decide if this project is suitable for your class.** |

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| [**Register Interest for Climate Smarter**](https://scdi.us2.list-manage.com/track/click?u=a88cc72c4f04eaa6c2c8ae306&id=6ee8ad2854&e=71c232b113) |

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| **Knots to Watts P & S**Knots to Watts is an exciting competition aimed at inspiring primary and secondary schools to research innovative offshore wind technologies and use this knowledge to design, build and test a floating wind turbine which generates electricity.The competition is supported by the Crown Estate Scotland and the Institute of Physics in Scotland.  Following registration, a free kit of components will be provided to incorporate into your design.  |

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| [**Register Interest for Knots to Watts**](https://scdi.us2.list-manage.com/track/click?u=a88cc72c4f04eaa6c2c8ae306&id=a3b2fe4e3e&e=71c232b113) |

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| **Code vs Climate P & S**NEW for 2020!  Our Annual STEM challenge for 2020-21 is bit different this year and is inspired by the amazing new spaceports and satellite launch capability being developed here in Scotland. Pupils will be tasked to combine digital skills using a BBC micro:bit with creativity to design satellites with an environmental mission! |

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| [**Register Interest for Code vs Climate**](https://scdi.us2.list-manage.com/track/click?u=a88cc72c4f04eaa6c2c8ae306&id=e27b17d27d&e=71c232b113) |

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| **Little Lighthouse P**We are delighted to be working with schools on the Little Lighthouse project in the Local Authorities of  Clackmannanshire, Falkirk, Stirling and West Lothian this year.  The Little Lighthouse project uses lighthouses as a context for learning. Pupils use problem solving, investigation and digital skills to explore a wide range of STEM, literacy, numeracy and health & wellbeing benchmarks.  Looking forward to seeing all your fabulous lighthouses on the 25th March 2021. |

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| **OPPORTUNITIES FOR SCHOOLS** |

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| **Energy Quest S**Energy Quest is back! This project is all about inspiring young people to explore careers in engineering. This year energy quest is being delivered in a hybrid virtual format, being delivered remotely by our team. At this stage we are looking for schools to express interest in taking part in this project. We are particularly looking to work with young people underrepresented in the engineering sector: girls, pupils from areas of high deprivation or rural areas and BAME students. We will have more details as this exciting project develops |

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| [**Register Interest for Energy Quest**](https://scdi.us2.list-manage.com/track/click?u=a88cc72c4f04eaa6c2c8ae306&id=595dcc9389&e=71c232b113) |

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| **Barefoot P**FREE digital skills CPD for Primary teachers.  Our team are able to run digital  [Barefoot](https://scdi.us2.list-manage.com/track/click?u=a88cc72c4f04eaa6c2c8ae306&id=e08c5b21b1&e=71c232b113) workshops for teachers to explore computational thinking resources. Ideal for an hour’s twilight session! Book via the website and mention YESC within your request. |

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| [**Book a Barefoot Workshop**](https://scdi.us2.list-manage.com/track/click?u=a88cc72c4f04eaa6c2c8ae306&id=465e8a427e&e=71c232b113) |

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| **DIARY DATES - Mark your Diary Now!** |

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| We are exploring and developing our event and outreach content for a digital format. This includes hybrid ‘live-stream’ sessions which allows us to support schools with engaging extra-curricular learning, and bring in volunteers, STEM ambassadors and partners to give careers talks. To showcase and celebrate the amazing work that has gone on in these unprecedented times, we plan for schools to come together in 2021 and showcase their work on our projects at virtual STEM celebration events using Google classroom.  Please mark your diary with the following dates: |

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| **25 March 2021:**Little Lighthouse Celebration Event**31 March 2021:**Knots to Watts Celebration Event**5 May 2021:**EEP Robotics Scottish Celebration Event**13 May 2021:**Climate Smarter Celebration Event**20 May 2021:**Annual STEM Challenge - Code Vs Climate Celebration Event**15 June 2021:**EEP Robotics UK Final**Throughout 2021:** Energy Quest workshops |

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| **KEEP IN TOUCH** |

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| Our team are happy to help with any questions regarding our projects, competitions or events; or support with your wider STEM planning.  We also love hearing what you’re up to throughout the year so don’t wait until you encounter a problem to contact us! Please send any questions, updates or stories to yesc@scdi.org.uk or tweet us @scdiYESC   |

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| **Lead Partners**https://mcusercontent.com/a88cc72c4f04eaa6c2c8ae306/images/bf050549-7296-4d56-8356-aa355cc13a05.png**Principal Partners     https://mcusercontent.com/a88cc72c4f04eaa6c2c8ae306/images/1466d91e-ca68-4061-8505-a6b6ce05f7c8.png   https://mcusercontent.com/a88cc72c4f04eaa6c2c8ae306/images/1cf7cf98-eb75-4469-b784-4330fcd8a397.png**            |

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|  [follow on Twitter](https://scdi.us2.list-manage.com/track/click?u=a88cc72c4f04eaa6c2c8ae306&id=26270d8889&e=71c232b113)  | [forward to a friend](http://us2.forward-to-friend.com/forward?u=a88cc72c4f04eaa6c2c8ae306&id=4c0049dd66&e=71c232b113) |

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