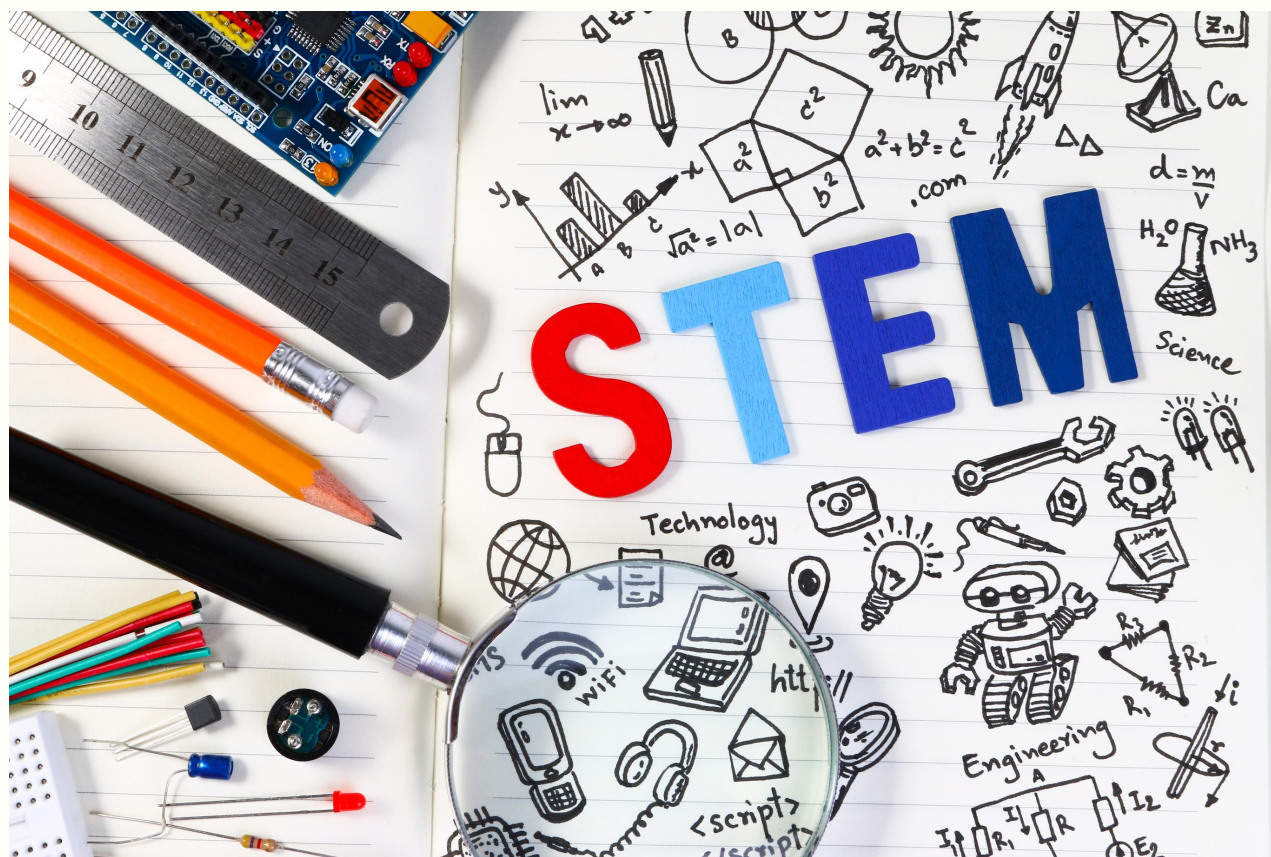


The W.L STEM chat



Meet our RAiSE Primary Science Development Officer



Ways to keep updated:

TWITTER: @WL_STEM
 BLOG: BLOGS/GLOWSCOT/WLSTEM
 SHAREPOINT: WESTLOTHIANCOUNCIL/WLSTEM

NICOLA CONNOR

We're delighted to announce that West Lothian Council has seconded Nicola Connor as the new Primary Science Development Officer for the RAiSE (Raising Aspirations in Science Education) Programme in West Lothian.

RAiSE is delivered through a partnership of The Wood Foundation, Education Scotland, Scottish Government and participating local authorities to create motivating and inspiring STEM opportunities for young people. This will increase their understanding of the world we live and encourage them to use STEM skills and knowledge to become creative, resourceful and enterprising adults.

As part of her role, Nicola will be working with the RAiSE network of PSDO's across Scotland, collaborating to create resources to support teachers, attending clpl to share in West Lothian or learning about opportunities for schools/clusters to join in. One such collaboration was with the RIC PSDO's to create context for learning planners to support teachers coming back in August. Those can be found on the STEM share point: <https://glowscotland.sharepoint.com/sites/WestLothianCouncil/wlstem>. They were created with the Agile IDL West Lothian priority in mind and have blended learning tasks set out too.

Nicola can provide support through:

- Providing online CLPL- a list of clpl can be found in the upcoming clpl section.
- Signpost you to high quality resources and opportunities for you and your pupils
- Work alongside you to develop Science and STEM in your setting, through workshops and professional enquiry
- Develop a Primary STEM network across all schools to share practice and collaboration between mentors.

Every school is on a different journey with their STEM/Science so Nicola is happy to discuss with you where you are and what next steps could look like if you aren't sure. Please get in touch to arrange an online meeting with Nicola and we can talk through what you need for this session. Any questions/queries please get in touch through: nicola.connor@westlothian.gov.uk

Upcoming CLPL

4TH SEPT: YOUNG STEM LEADER PROGRAMME 1.30PM-3.30PM

25TH SEPT: TAPS (TEACHER ASSESSING PRACTICAL SCIENCE) 1.30PM-3.30PM

11TH SEPT & 2ND OCT: STEM: IMPROVING GENDER BALANCE, EQUITY AND EQUALITY- TWO PART 1.30PM-3PM

EMAIL NICOLA FOR MORE INFORMATION

WL STEM Logo Competition

WE ARE RUNNING A COMPETITION FOR ALL P1-P7 PUPILS TO DESIGN A NEW LOGO FOR OUR TWITTER/GLOW PAGES.

CHILDREN CAN COMPLETE THIS IN CLASS OR SEND AS A HOME LEARNING TASK. IF CHILDREN CAN CREATE THEIR LOGO AND WRITE ABOUT "WHAT STEM MEANS TO ME", TAKE A GOOD QUALITY PHOTO OF THE DESIGN AND WORDING- THEN SEND TO @WL_STEM ON TWITTER (IF A HOME LEARNING TASK) OR IF COMPLETED IN CLASS EMAIL TO NICOLA. PLEASE INCLUDE THE CHILD'S NAME, SCHOOL, CLASS AND AGE. PRIZES WILL BE:

1ST PLACE- LOGO USED FOR TWITTER/GLOW AND A SPHERO BOLT DONATED BY RS COMPONENTS.

2ND PLACE- SIGNED BY THE AUTHOR- BOOK BY CAROLINE ALLISON "BUILD IT! 25 CREATIVE STEM PROJECTS FOR BUDDING ENGINEERS" DONATED BY CAROLINE THROUGH HER WEBSITE WWW.TECHNOLOGYFORFUN.CO.UK.

3RD PLACE- AN AIRZOOKA DONATED BY SSERC PRIMARY

ALL ENTRIES TO BE RECEIVED BY FRIDAY 11TH SEPTEMBER AT 2PM. THE ENTRIES WILL BE JUDGED AND THE WINNER WILL BE ANNOUNCED ON FRIDAY 18TH SEPTEMBER, THE WINNER'S LOGO WILL THEN BE USED ON ALL WL STEM PAGES AND RESOURCES. WE LOOK FORWARD TO RECEIVING YOUR ENTRIES!!

Sharing the Best of West Lothian

THERE IS GREAT STEM WORK ALREADY TAKING PLACE ACROSS WEST LOTHIAN.

USING OUR BLOG PAGE AND TWITTER PAGE, NICOLA WILL HIGHLIGHT WORK SHE IS CARRYING OUT WITH DIFFERENT SCHOOLS OR SHARE GREAT PRACTICE FROM PRIMARY CLASSROOMS ACROSS WEST LOTHIAN. IN ORDER FOR HER TO SHARE THIS, PLEASE COPY IN @WL_STEM WHEN TWEETING ABOUT ANY STEM TOPICS.

Young STEM Leader Programme



The Young STEM Leader Programme (YSLP) is an exciting new award which aims to spark greater interest and participation in STEM among young people in Scotland. The Scottish Government funded programme is led by SSERC and a range of partners.

As well as allowing Young STEM Leaders to develop important leadership, communication and employability skills, working towards a Young STEM Leader Award will also motivate the young people to continue to progress their STEM studies and perhaps eventually embark on a career in STEM. Above all else, this programme aims to promote STEM curiosity in young people in a fun and engaging way.

The award for primaries is a Non-formal award offered at Curriculum for Excellence Second level. Young people will receive digital badges and certificates in an award underpinned by a framework that identifies the skills, knowledge and behaviours expected of a Young STEM Leader at each curricular level.

If you want to empower young people to inspire, lead and mentor their peers in STEM- attend the tutor assessor training on Friday 4th September 1.30pm-3.30pm. On completion of the session you will be able to deliver the programme straight away in your school.

First LEGO League Opportunity

WE HAVE THE OPPORTUNITY FOR SCHOOLS TO TAKE PART IN THE WEST LOTHIAN LEGO LEAGUE CHALLENGE COMPETITION. THE TOURNAMENT WOULD BE HELD AT WEST LOTHIAN COLLEGE SOMETIME BETWEEN MARCH-END OF MAY 2021- TO BE CONFIRMED.

FIRST LEGO LEAGUE CHALLENGE:

SUITABLE FOR 9-16 YEARS OLD. ONE TEAM CAN HAVE UP TO 10 MEMBERS AND REGISTERING ONE TEAM COSTS £150 + VAT. THIS INCLUDES:

- 1 X REPLAY CHALLENGE SET (MAT AND MISSION MODELS)
- 1 X TEAM MEETING GUIDE (FOR THE TEACHER)
- 2 X ENGINEERING NOTEBOOKS FOR THE TEAM TO JOURNAL THEIR EXPERIENCE/PROBLEM SOLVING.
- 1 X ROBOT GAME RULEBOOK (FOR THE TEAM AND TEACHER)

YOU CAN PURCHASE A CLASS PACK, WHICH IS DESIGNED FOR A GROUP OF UP TO 30 CHILDREN, THIS WOULD COST £265 + VAT. THIS INCLUDES 12 LESSON PLAN STYLE SESSIONS IN THE TEAM MEETING GUIDE. THIS WOULD ALLOW ALL CHILDREN TO TAKE PART, HOWEVER ONE TEAM COULD ATTEND THE TOURNAMENT FROM YOUR SCHOOL.

TO COMPLETE THE COMPETITION YOU WILL NEED ACCESS TO A LEGO MINDSTORM KIT WHICH IS AN EV3 CORE SET COSTING £350 + VAT. THIS COULD BE USED BY ANY TEAM WITHIN THE CLASS AND USED FOR FUTURE EVENTS/LESSONS.

FIRST LEGO LEAGUE EXPLORE:

SUITABLE FOR 6-9 YEARS OLD.

ONE TEAM CAN BE UP TO 6 CHILDREN AND REGISTERING WOULD COST £37.50 PLUS VAT. THIS INCLUDES:

- 1 X EXPLORE SET (BOX OF LEGO BASED AROUND THE ANNUAL THEME)
- 1 X TEAM MEETING GUIDE (FOR THE TEACHER)
- 2 X ENGINEERING NOTEBOOKS
- 6 X LEGO MEDALS AND LANYARDS
- 6 X HARD COPY PARTICIPATION CERTIFICATES

TO COMPLETE THE TASKS YOU WILL NEED ACCESS TO A LEGO EDUCATION WEDO 2.0 COSTING £133 + VAT. AGAIN THIS WEDO 2.0 SET WOULD HELP SUPPORT TECHNOLOGY LESSONS OR STEM CLUBS.

THIS LEAGUE DOESN'T HAVE A TOURNAMENT, AS MAINLY CLASS BASED. HOWEVER, IF WE HAD ENOUGH INTEREST FROM SCHOOLS ACROSS WEST LOTHIAN IT WOULD BE GREAT TO HOLD A FESTIVAL TO CELEBRATE THE CHILDREN'S LEARNING AND SHARE WHAT THEY HAVE EXPERIENCED.

FUNDING SUPPORT CAN BE FOUND HERE:

[HTTPS://EDUCATION.THEIET.ORG/FIRST-LEGO-LEAGUE-PROGRAMMES/HOW-WE-MAKE-A-DIFFERENCE/FUNDING/FUNDING-PACKAGES/](https://education.theiet.org/first-lego-league-programmes/how-we-make-a-difference/funding/funding-packages/)

THE DEADLINE HAS BEEN EXTENDED UNTIL 23RD AUGUST FOR SCOTTISH SCHOOLS. IT OPENS NATIONALLY AGAIN ON THE 7TH SEPTEMBER- SO THE QUICKER YOU CAN GET THE FORM COMPLETED, THE MORE CHANCE YOU HAVE OF RECEIVING FUNDING! YOU CAN ALSO ASK THE TEAM/SCHOOL TO HELP FUND RAISE AND THIS WOULD CONTRIBUTE TO THEIR CORE VALUE POINTS AS PART OF BOTH LEAGUE EXPECTATIONS.

MORE INFORMATION CAN BE FOUND IN THESE LINKS:

CHALLENGE

[HTTPS://WWW.YOUTUBE.COM/WATCH?V=HCGXZUSCPWM&FEATURE=YOUTU.BE](https://www.youtube.com/watch?v=HCGXZUSCPWM&feature=youtu.be)

EXPLORE

[HTTPS://WWW.YOUTUBE.COM/WATCH?V=JZJSLOAQSM4&FEATURE=YOUTU.BE](https://www.youtube.com/watch?v=JZJSLOAQSM4&feature=youtu.be)

IF YOU WANT TO ASK ANY QUESTIONS OR WANT TO SIGN UP/REGISTER, PLEASE GET IN TOUCH WITH NICOLA.