



**FOSTERING CREATIVITY AND
WELLBEING THROUGH**

STEAM

welcome!

Together we care

Together we learn

Together we thrive





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Ready - Steady - STEAM

To design or invent the **BEST**
thing...

what would you make with the **5** items on the
table?

you have **5** minutes to discuss and decide!

What do we think?

1

2

3

4



Introduction

STEAM has been timetabled in Bishopbriggs Academy since 2018, when it was offered as a Leadership class for S5. Since then, it has grown and there are now over 40 pupils timetabled across multiple year groups, studying at various levels. We have competitions, trips, talks/workshops, and extra-curricular clubs well attended and enjoyed throughout the year.

This year the school achieved Education Scotland's 'STEM Nation Award'.



STEM Nation Award



02

The Team

Mrs Wallace

PT STEAM

Mrs Kerr

STEAM Depute link

STEAM Captains

S1-6

S3 STEAM Leaders

S5 STEAM Leaders



**Michaela
Dickson**

EDC STEM PSDO



**YOUNG
STEM
LEADER**

Definition

STEAM stands for:

Science, **T**echnology, **E**ngineering, **A**rts and **M**athematics
and aims to join-up learning between traditional STEM
subjects and the Arts, looking at common:

- **Knowledge**
- **Skills**
- **Themes**
- **Challenges etc.**

Research in **gender equity in dance** has shown that differences between the career status of men and women in various areas of dance are real and significant.

The percentage of women in the STEM (Science, Technology, Engineering and Maths) workforce continues to be appallingly low, with a 1:3 ratio of females to males.



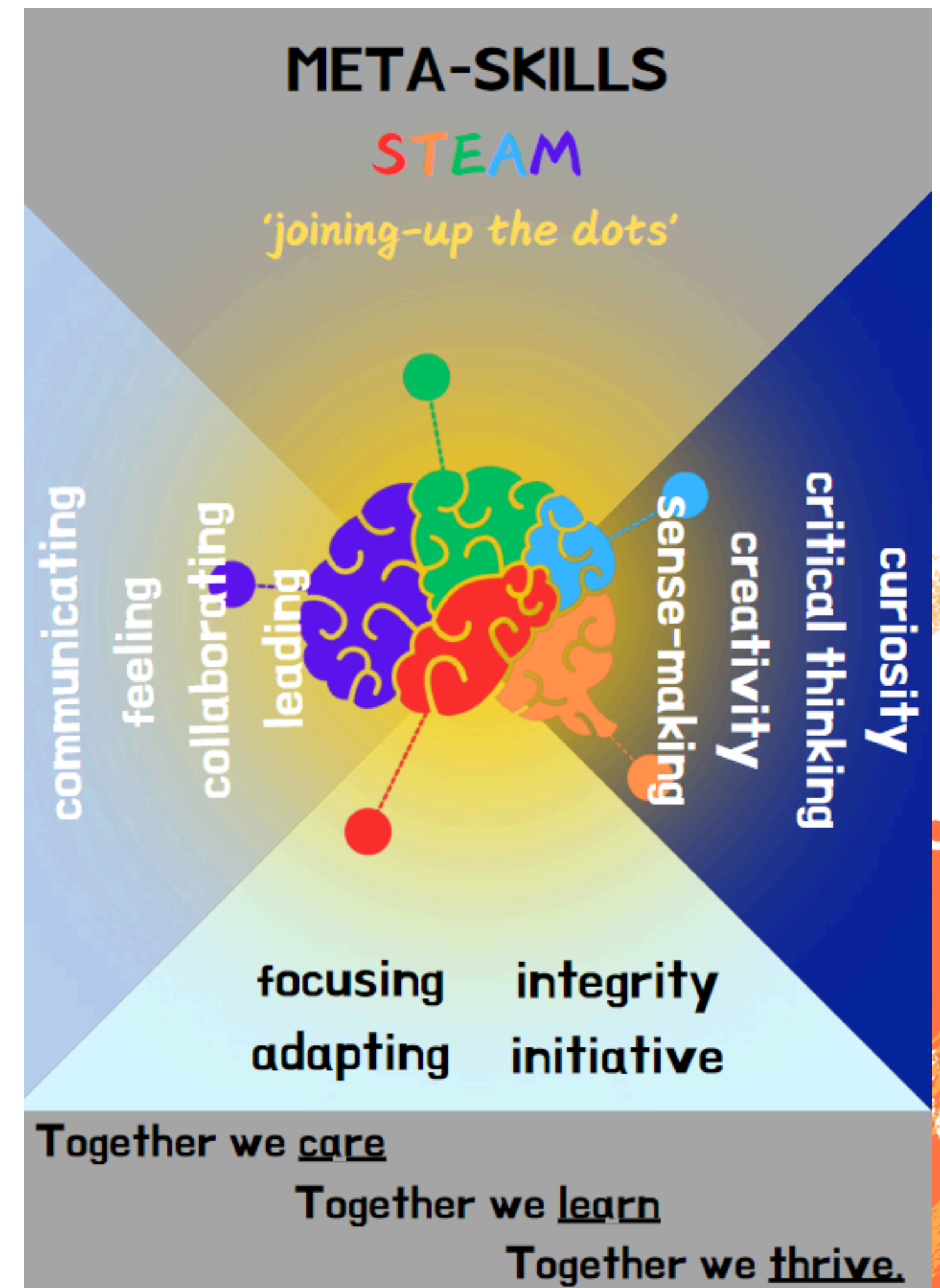
How Can Creativity Support STEM?



Copy link

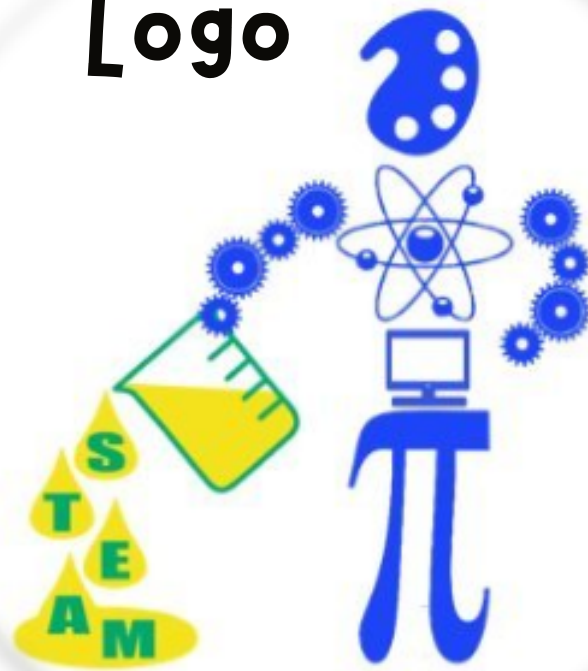


Watch on  YouTube



Identity

Logo



Vision & Values



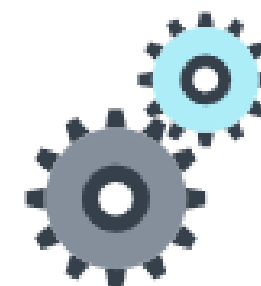
Excellence



Equity

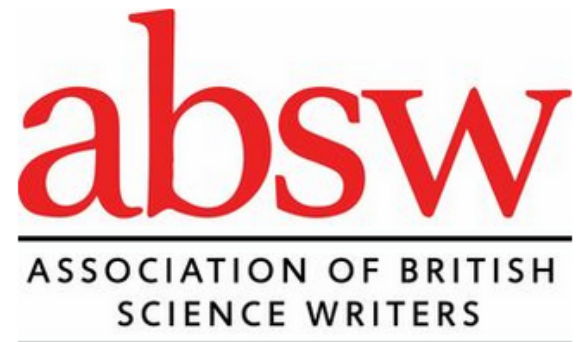


Inspiration



Connection

Projects and Partners



GUMDROP[®] LTD

GLASGOW
**SCIENCE
CENTRE!**



University
of Glasgow



Projects

Stop Motion Animation App

Newton Flight Academy

Young's People's Book Prize

UNBOXED: Dandelion

Dyson Engineering Box

British Science (STEAM) Week

TeenTech Award

Partners

Jacobs Engineering

Glasgow Film Theatre

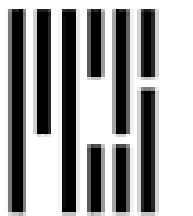
The Royal Society

Strathclyde University

New College Lanarkshire

Glasgow Prestwick Airport

Institute of Physics (IoP)



Royal Conservatoire
of Scotland

ARUP

Deloitte.

ATKINS



YOUNG
STEM
LEADER



Qualifications

The **Young STEM Leader Award** is our main form of accreditation.

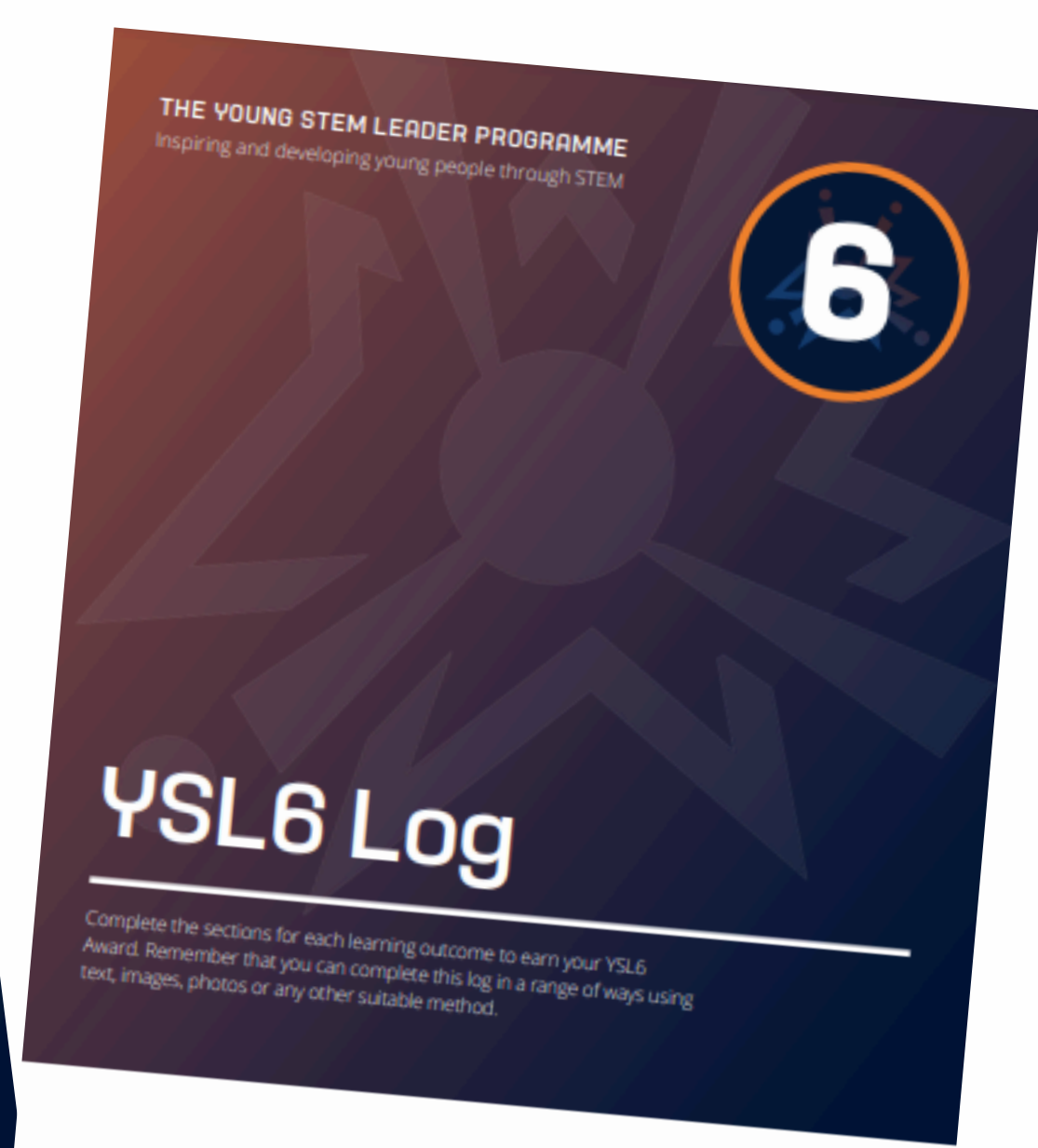
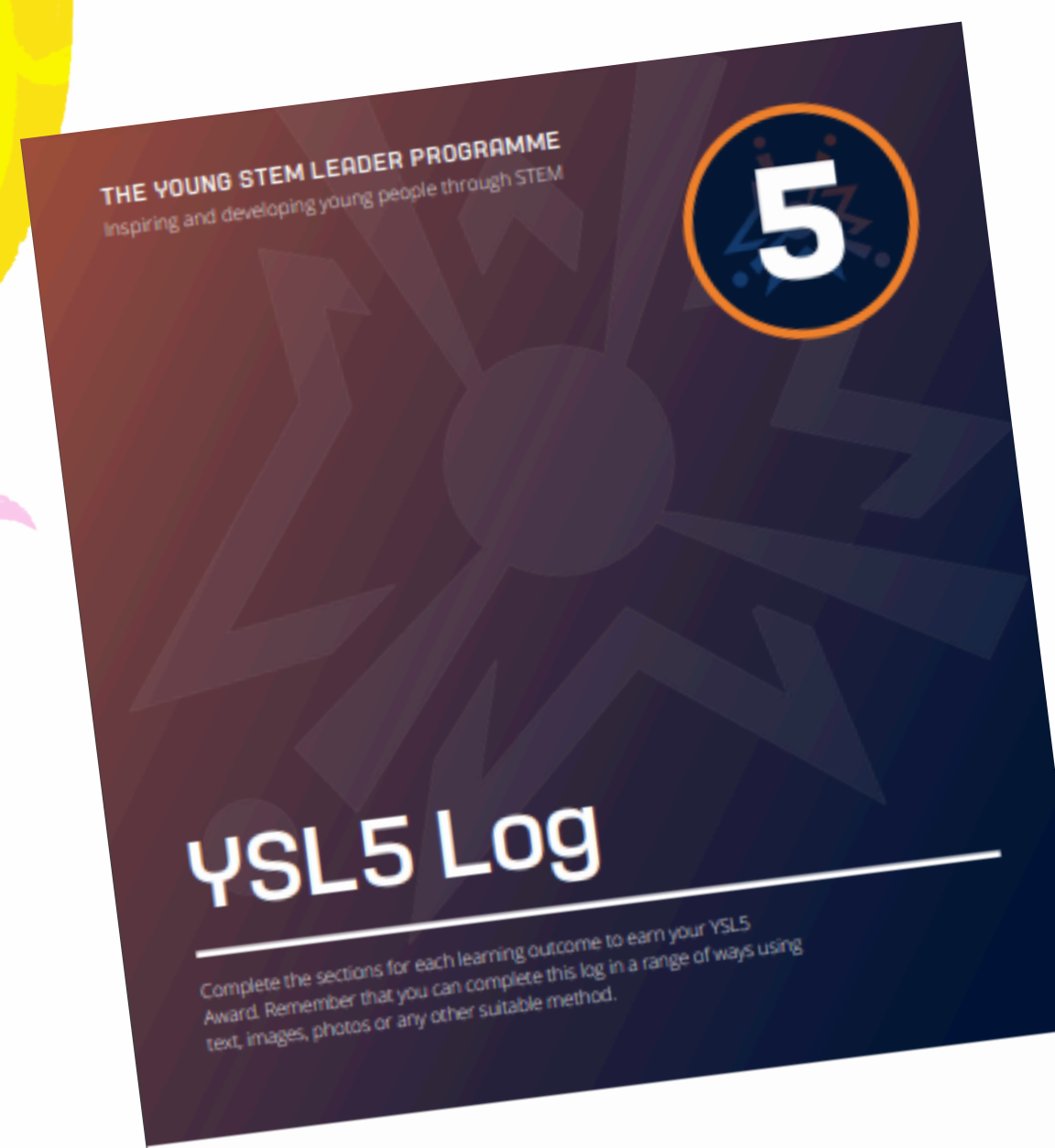
This qualification is delivered at National 5 and Higher level, but can go all the way to Advanced Higher level, with the hope of establishing pupils as STEM Ambassadors.

Other opportunities for qualifications include: **CREST Award**, **Bronze Industrial Cadets**, **Youth STEMM Award** and **Strathclyde University SCQF Level 7 modules**.





S3



S5



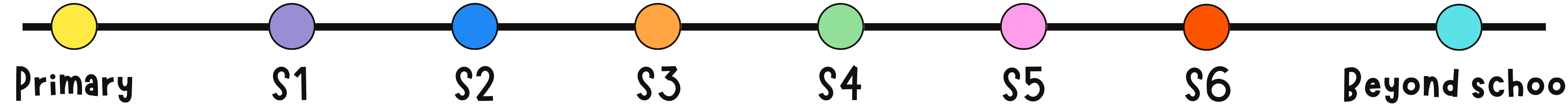


What can we offer in school?

EDC STEM EDO

P7 Evening(s)

P7 Transition



<<<

STEAM Captaincy

>>>

STEAM Club(s)
BAE Systems Roadshow
Sustainability IDL

YSL Level 5

YSL Level 6

YSL Level 7
PILOT

STEM
Ambassador
training

YSL Level
3/4 PILOT

engaging with external partners
developing STEAM-subject specialisms

10-credit
university courses

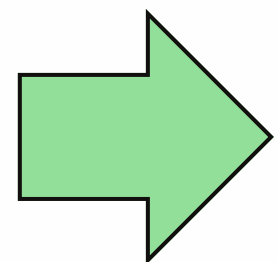
Tutoring/mentoring
links with local
universities

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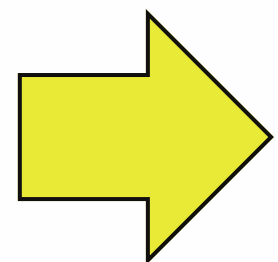
STEAM trips/talks/workshops

>>>

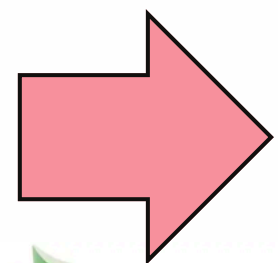
What can we offer at home?



Support, advice and guidance



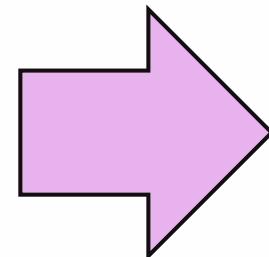
A termly Sway newsletter – **next issue just before October break!**



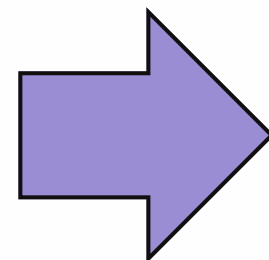
Regular opportunities posted on:
Twitter/Satchel/School website



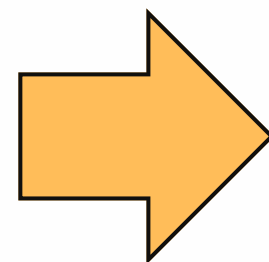
**STOP...
FREEBIE
TIME!**



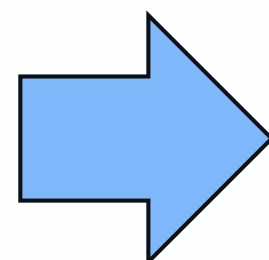
By allowing your child the time, space and energy, you are continuing to nurture skills like: creativity, curiosity, imagination, criticality, research and enquiry – **Thank you!**



Family learning resources – **next booklet available in November on sustainability**



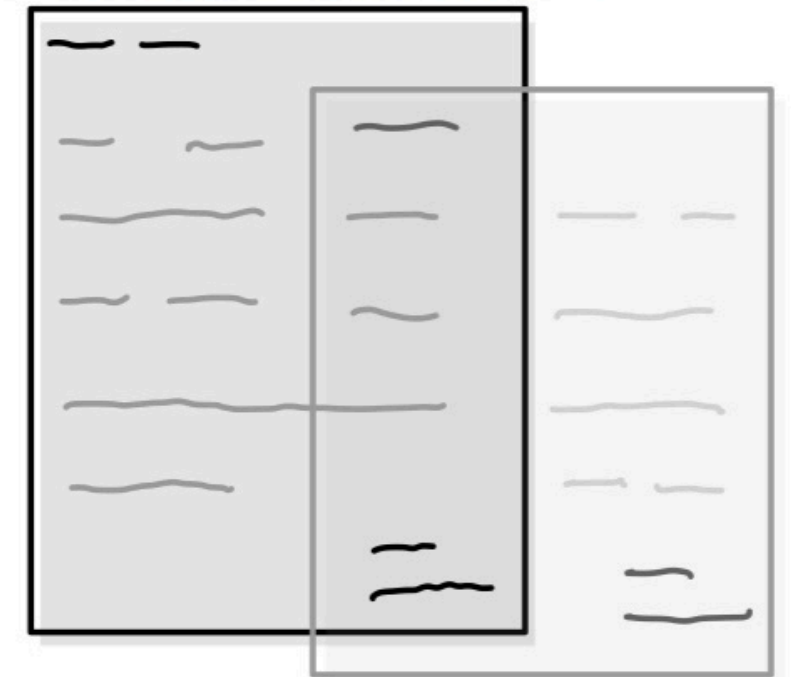
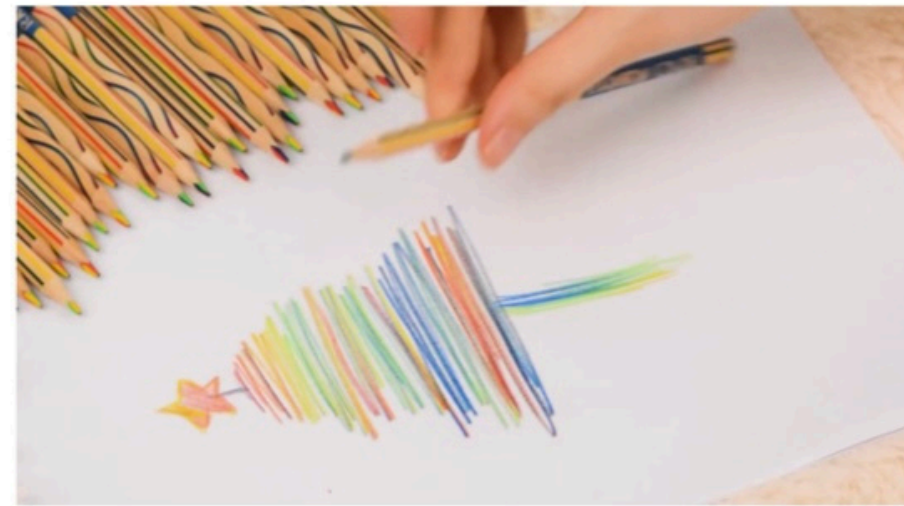
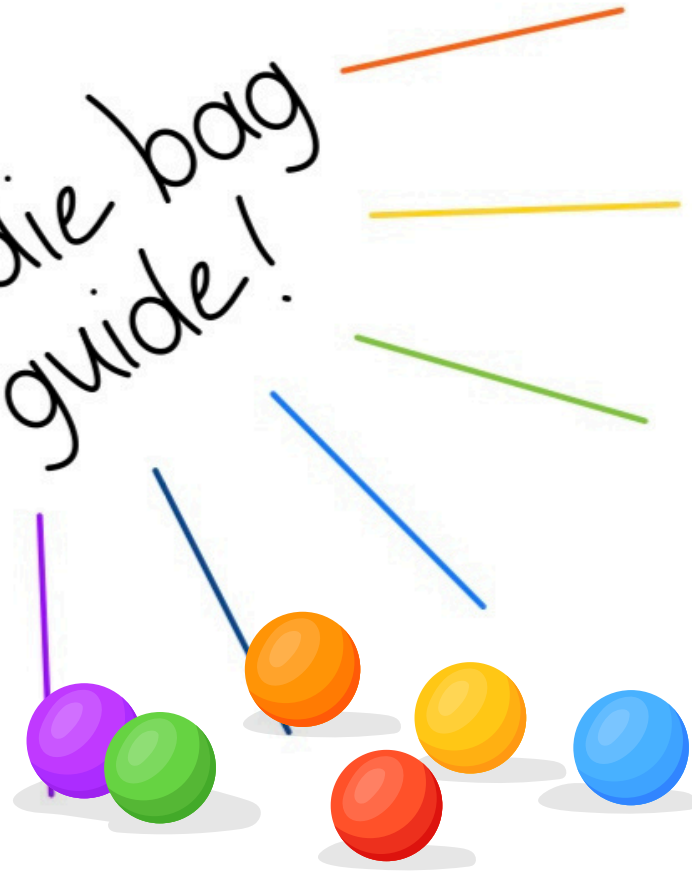
Apps/Websites/Books/TV/Film/Family Activities/Kit recommendations – **check your goodie bag for some examples!**



'STEAM At Home' video resource which has recently been launched on YouTube – **preview later tonight!**



Goodie bag
guide!



Testimonials

08

Kiera S6 Scottish Space School 2023
'I couldn't believe it when I got into Space School. This has allowed me to meet so many people that love all the same things that I love too'

Vidhi S3 STEAM 2022-23
'My favourite thing was maybe getting to work with things builds you up. If we didn't take STEAM, we wouldn't be able to do all these opportunities'

Gurleen S3 STEAM 2023-24
We spoke at assemblies throughout the week to encourage pupils to take part. This was good because they learned more about STEAM. It was a really good experience for them to take part in and it was really fun for us to lead it, especially the activities. I developed my confidence in being able to talk in front of audiences

Manraj S3 STEAM Leader 2022-23
'When I did the animation project I used a lot of cooperation and perseverance.'

Chloe S3 STEAM 2022-23
'I was really interested in the Arts part of STEAM'

Haleema S4 STEAM Captain

Milo S3 STEAM 2023-24
'STEAM overall has given me lots more confidence in anything that I do. I also feel more confident taking part in teamwork and STEAM has allowed me to become more observant and creative'

Blair S3 STEAM 2022-23
'I can confidently say that we have never, ever been bored in this class! I probably couldn't have imagined how well my leadership skills have come on, there were 100s of P7s and I was able to take control of that crowd'

Examples



Final things from us...

RAINBOW ROAD 🌈 🚗

**A STEAM activity you can recreate at home, demonstrated by
our STEAM Captains and Leaders...**

+



A BIG question to leave you with...

What aspects of physics did the creators of 'The Super Mario Bros. Movie' have to consider when making the following scene?





The Mario Kart Scene 🌈 | The Super Mario Bros. Movie ...



Watch on  YouTube



✧ Keep thinking without limits ✧

THANK YOU!

Well done to our STEAM Leaders who
helped develop and lead this session! 🙌🙌

**Piper, Arwen, Bryan, Imogen, Chloe, Adwithi, Hannah,
Kaitlin, Rachel – S5 STEAM Leaders 🙌**

THANK YOU!

Ibrahim, Rory, Gregor – S3 STEAM Leaders 🙌

Contact and Questions

Lauren Wallace
PT STEAM
@BishySTEAM

S1-3 Information Evening - STEAM
Evaluation





**Scan the QR codes to access
our new YouTube channel and
Twitter/X!**





