



**FOSTERING CREATIVITY AND  
WELLBEING THROUGH**

**STEAM**

*Welcome!*





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**Ready - Steady - STEAM**

To design and create 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?

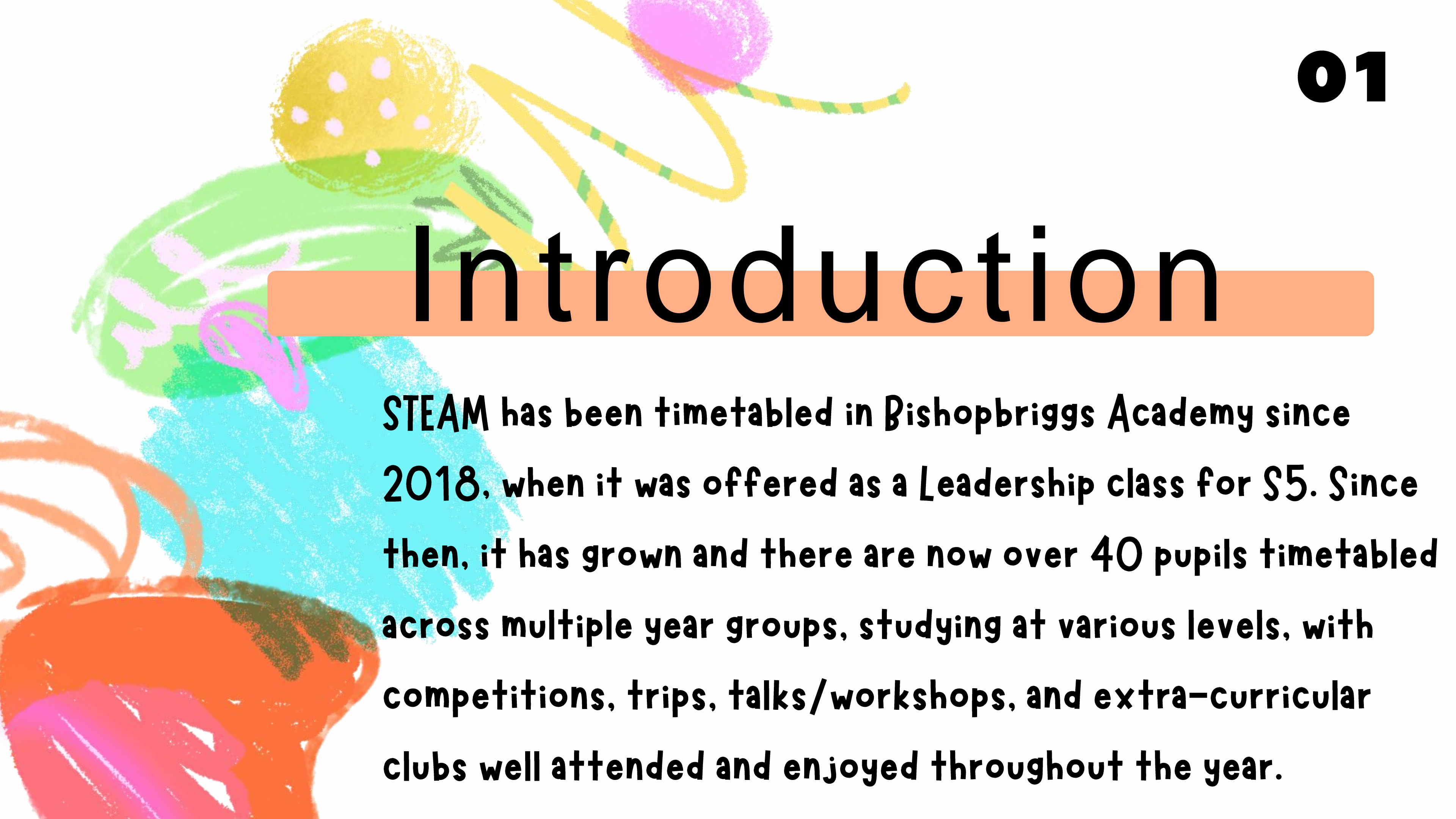
**1**

**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, with competitions, trips, talks/workshops, and extra-curricular clubs well attended and enjoyed throughout the year.**



**02**

# The Team

**Mrs Wallace**  
PT STEAM

**Mrs Kerr**  
STEAM Depute link

**STEAM Captains**  
S1-6

**S3 STEAM**  
**Leaders**

**S5 STEAM**  
**Leaders**





# Definition

**STEAM** stands for:

**S**cience, **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.







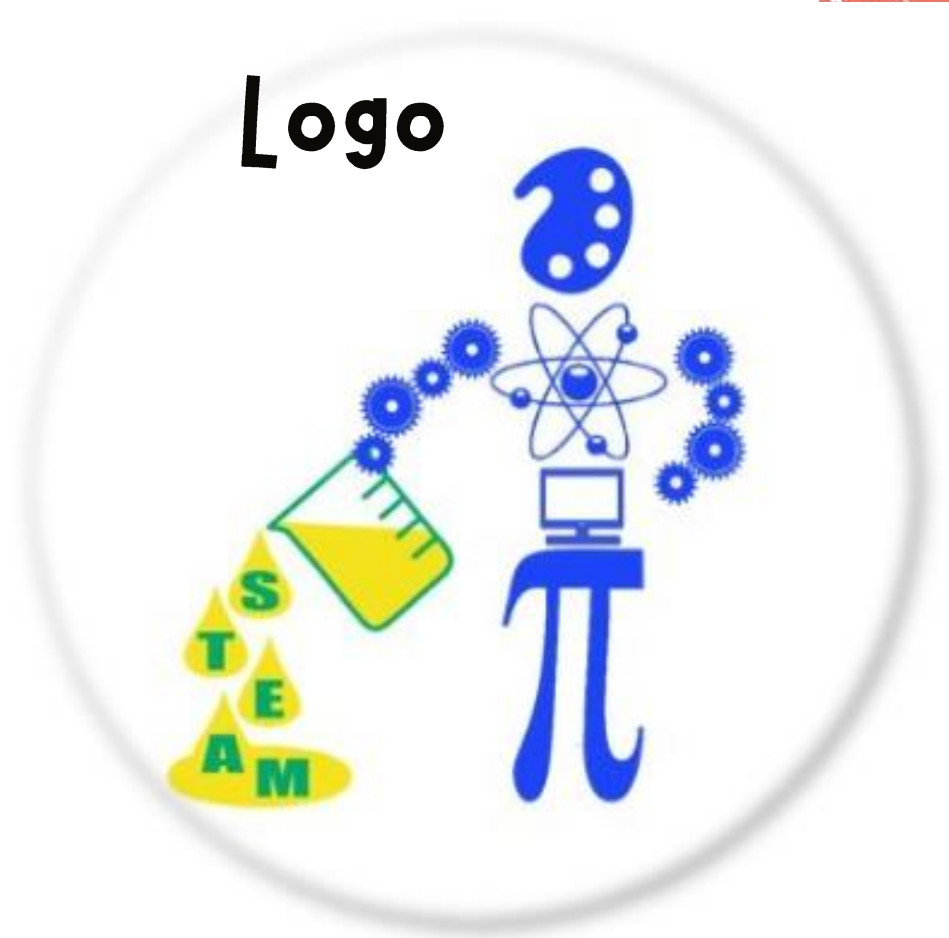




04

# Identity

Logo



Vision & Values



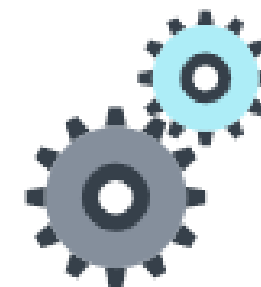
Excellence



Inspiration



Equity



Connection



# Projects and Partners



**GUMDROP**<sup>®</sup> LTD

GLASGOW  
**SCIENCE  
CENTRE!**



## 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)



**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**.









# What can we offer in school?

EDC STEM EDO

<<<

STEAM Captaincy

>>>

P7 Evening(s)

STEAM Club

STEM  
Ambassador  
training

P7 Transition

Sustainability IDL

YSL Level 5

YSL Level 6



Primary

S1

S2

S3

S4

S5

S6

Beyond school

10-credit  
university courses

Tutoring/mentoring  
links with local  
university

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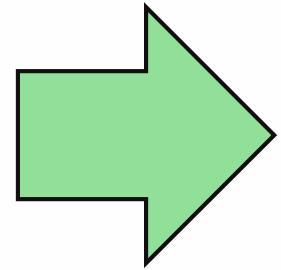
STEAM trips/talks/workshops

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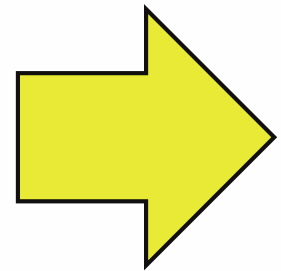




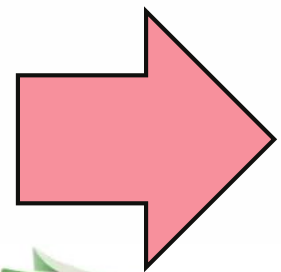
# What can we offer at home?



Support, advice and guidance



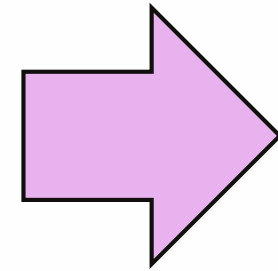
A termly Sway newsletter – next issue just before October break!



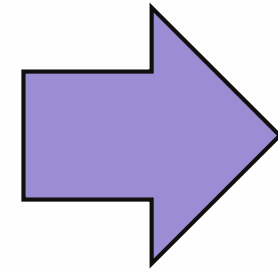
Regular opportunities posted on: Twitter/Satchel/School website



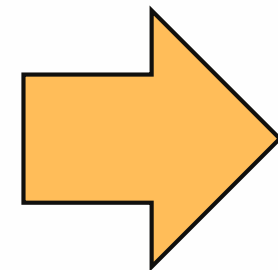
**STOP...  
FREEBIE  
TIME!**



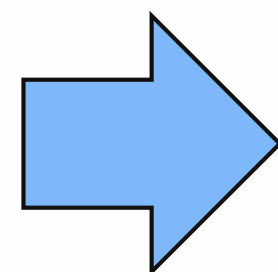
By allowing your child the time, space and energy, you are continuing to nurture skills like: creativity, curiosity, imagination, criticality, research and enquiry – Thank you!



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!

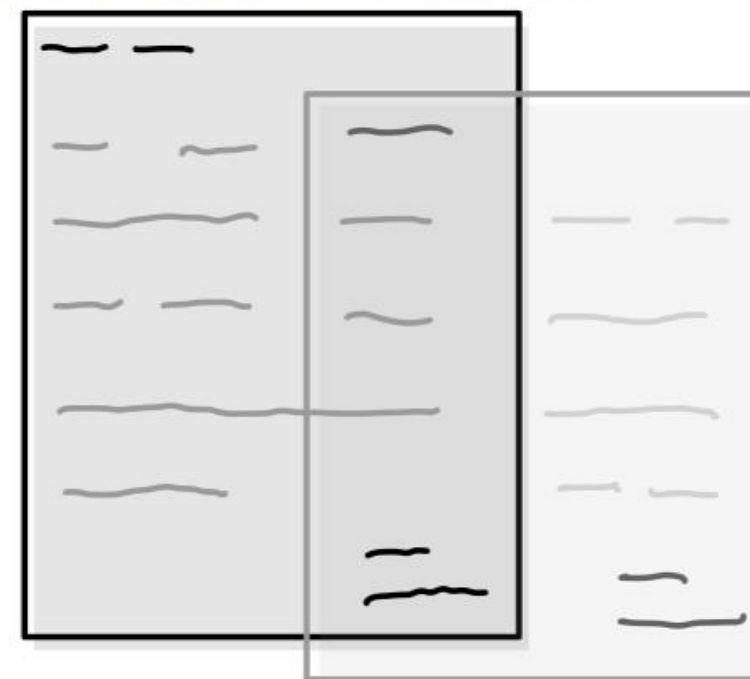


'STEAM At Home' video resource which will be launched soon and lead by pupils – preview later tonight!





Goodie bag guide!



Enjoy!  
Mrs Wallace





# Testimonials

**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 other schools... like the primary 7s!'

**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**

'I'm more confident because doing all these things builds you up. If we didn't take STEAM, we wouldn't be able to do all these opportunities'

**Ellie S3 STEAM 2023-24**

'So STEAM is basically anything that's fun then?'

**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



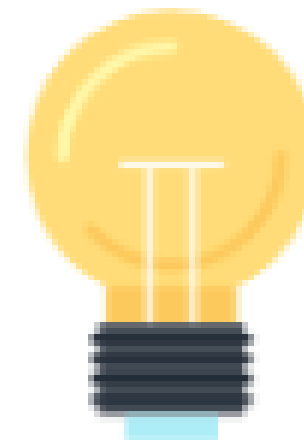


**Final things from us...**

**RAINBOW ROAD** 🌈 🚗

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

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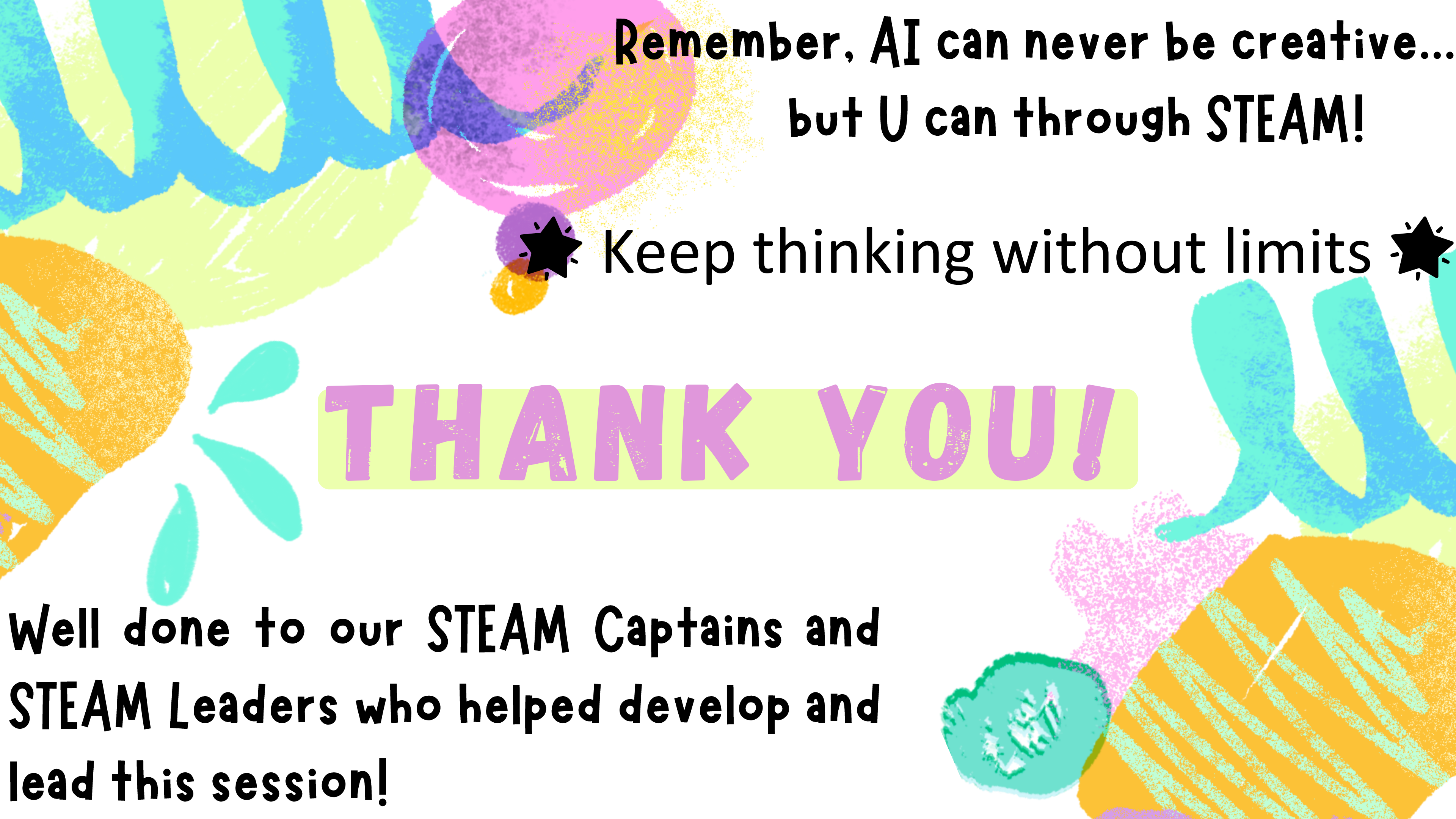
**A BIG question to leave you with...**

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









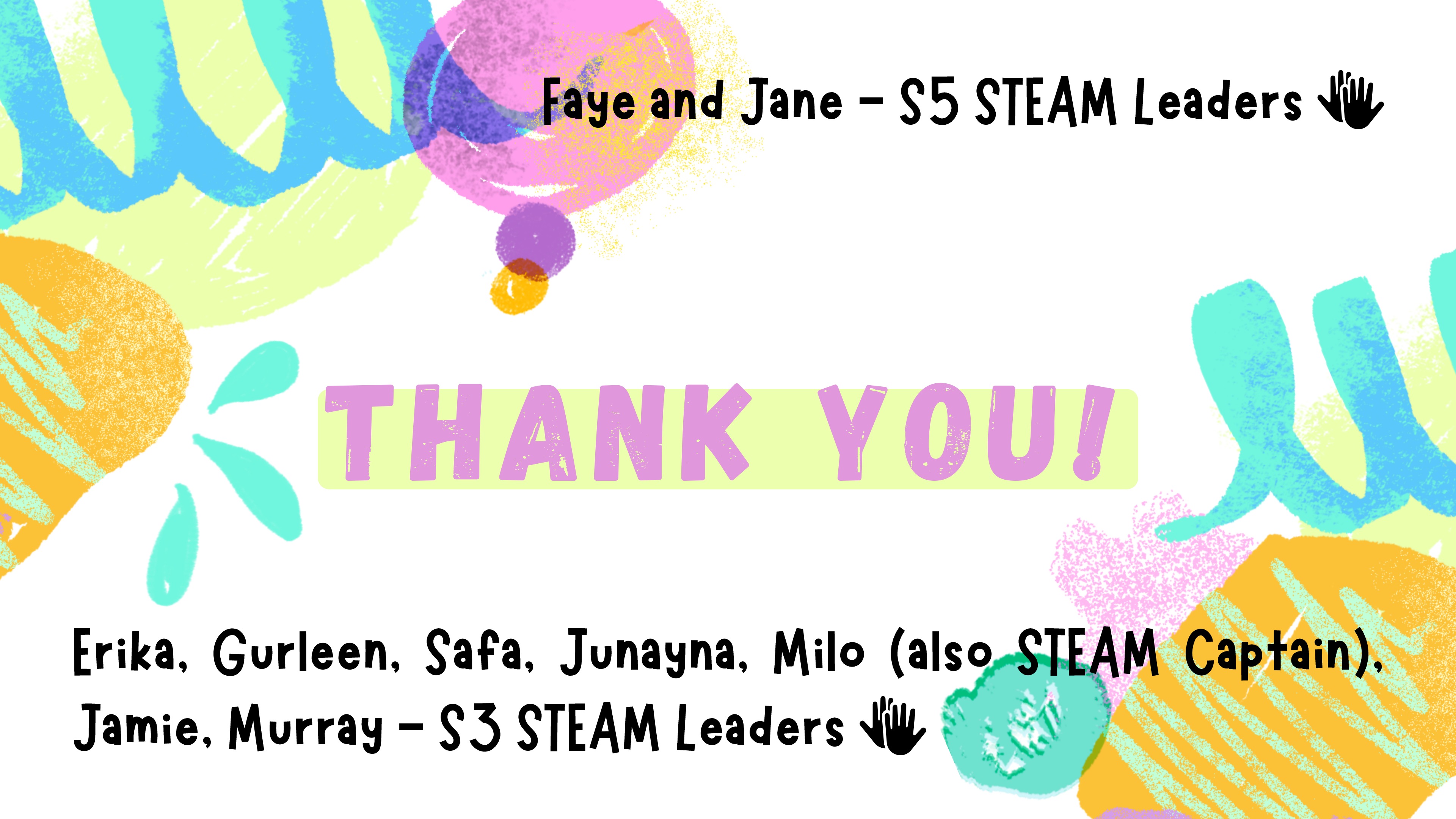
**Remember, AI can never be creative...  
but U can through STEAM!**

**★ Keep thinking without limits ★**

**THANK YOU!**

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





**Faye and Jane – S5 STEAM Leaders** 🖐️

**THANK YOU!**

**Erika, Gurleen, Safa, Junayna, Milo (also STEAM Captain),  
Jamie, Murray – S3 STEAM Leaders** 🖐️



# Contact and Questions

Lauren Wallace  
PT STEAM  
@BishySTEAM

S1-3 Information Evening - STEAM  
Evaluation













