

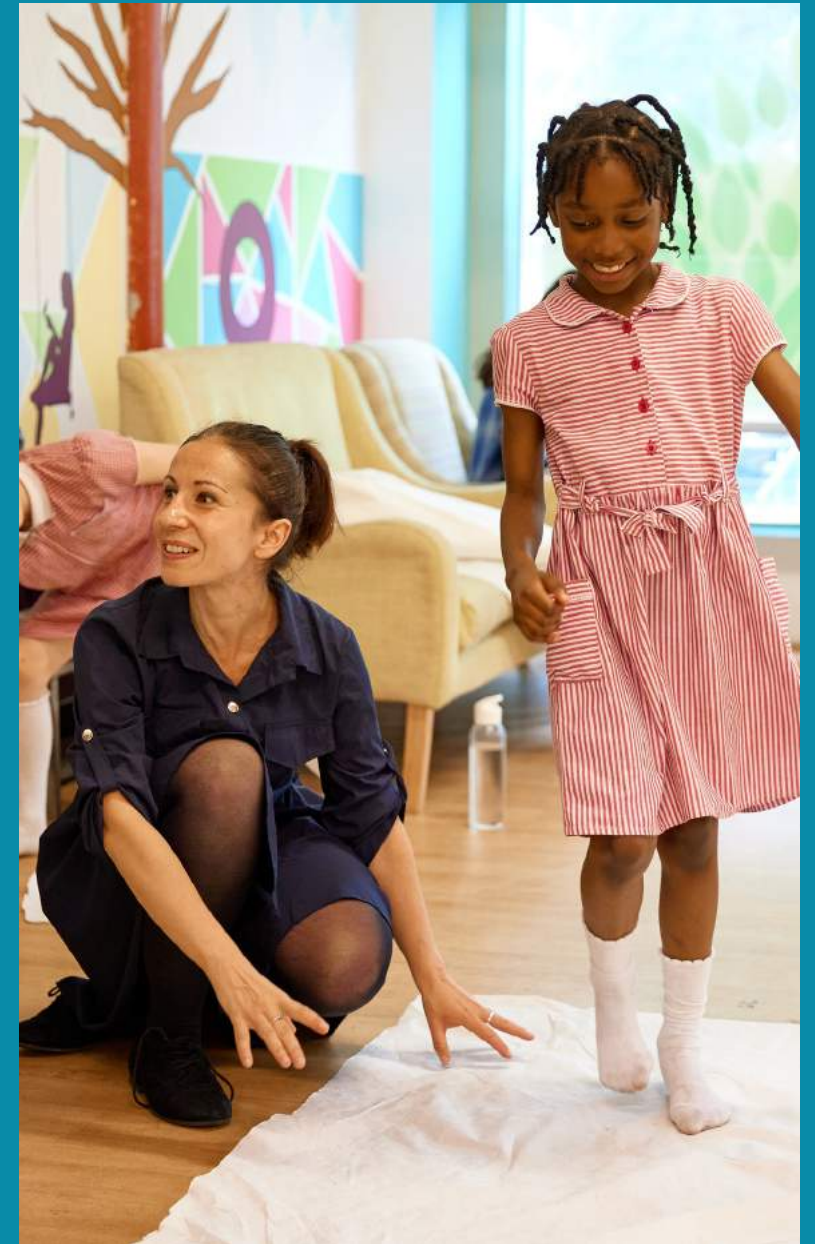


The STEM programme at The Baytree Centre 2021- 2023

Evaluation Insights and Impact

Programme Overview

Funded by BBC CiN and Wellcome Trust, The Baytree Centre Girls in Science programme aimed to engage and empower 400 girls per year from underserved communities in London. The programme provided STEM education and activities to foster girls' interest and skills in science, technology, engineering and maths.



Why STEM?



Empowerment

Encourages girls to explore STEM fields, boosting confidence and self-esteem



Critical Thinking

Promotes problem-solving and critical thinking skills valuable in life



Career Opportunities

Opens doors to well-paying, fulfilling STEM career opportunities, reducing gender pay gap



Creativity

Nurtures creativity and innovation, enabling solutions for real-world problems



Educational Achievement

Improves academic performance, leading to increased educational and career opportunities



Digital Literacy

Provides essential skills to understand technology integral to everyday life



Teamwork

Involves collaborative projects, developing strong teamwork and communication skills



Global Competitiveness

Makes girls more competitive in the global job market



Improved Wellbeing

Boosts mental and emotional wellbeing by providing a sense of accomplishment



Address Societal Challenges

Equips girls to tackle pressing global issues like climate change and healthcare

Programme Goals



Engage 400 Girls

Support 200 girls annually from underserved communities through outreach and partnerships.



Foster Interest in STEM

Inspire a lifelong passion for STEM subjects and encourage pursuing studies and careers in these fields.



Increase Academic Success

Enhance academic performance and provide tools to excel in STEM subjects.



Develop Employability Skills

Focus on critical thinking, problem-solving, teamwork and other skills beneficial for education and careers.



Improve Wellbeing

Provide a nurturing environment that contributes to improved mental and emotional well-being.



Break the Cycle of Poverty

Equip girls with skills and confidence to pursue higher education and careers in STEM fields.

Girls Getting into STEM

“...and for the first time science became real to me”

Alisha, 9 years old

“I have enjoyed coding club, learnt a new language and discovered my passion”

Keysha, 10 years old



Programme Activities



Coding Club

Twice a week for 20 girls. Introduction to programming and computer science.



Maths Club

Twice a week for 30 girls. Develop maths skills and problem-solving.



Digital Skills Workshops

30 girls a week. Improve digital literacy for girls and parents.



Financial Literacy Workshops

Teach budgeting, saving, financial planning.



Fun Science Workshops

Practical applications of STEM in everyday life.



Career Insight Days

Visits to STEM companies and institutions.

The STEM Programme numbers

446

Girls in the STEM programme

3,748

STEM hours delivered

240

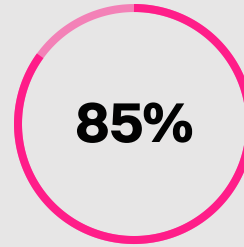
Volunteers in the project

47

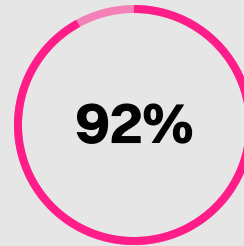
New STEM activities added to Baytree's timetable



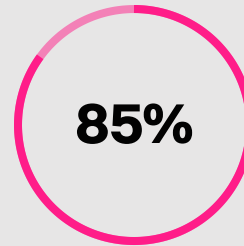
The STEM Programme Impact for 446 girls



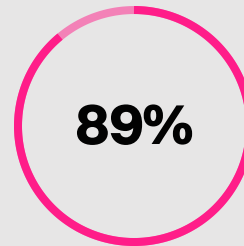
Improved academic
achievement



Developed employability skills



Developed new STEM skills



Improved their wellbeing

STEM helping Girls to thrive

“ Finally I understood that maths problem. I went to school and explained it to my friends ,”

Ekenisha, 13 years old

“ I loved the workshop at Kings College Hospital, it opened my eyes to jobs I never knew existed ,”

Lysan, 16 years old

Baytree's unique success elements

- **Clear aims and delivery plan**

The programme had clear aims and a detailed delivery plan to achieve those aims

- **Promoting learning**

The programme promoted problem-based, curiosity-driven, and computational thinking to engage girls in STEM learning

- **Partnerships**

The programme partnered with corporates and institutions to provide diverse STEM activities and career insights

- **Girl involvement**

Girls were involved in designing and evaluating the programme to ensure it met their needs and interests

- **Parent involvement**

Parents were involved to help make the programme aims sustainable at home



**With special thanks to BBC
Children in Need and
Wellcome Trust who
funded The STEM
Programme at the Baytree
Centre 2021-2023.**