

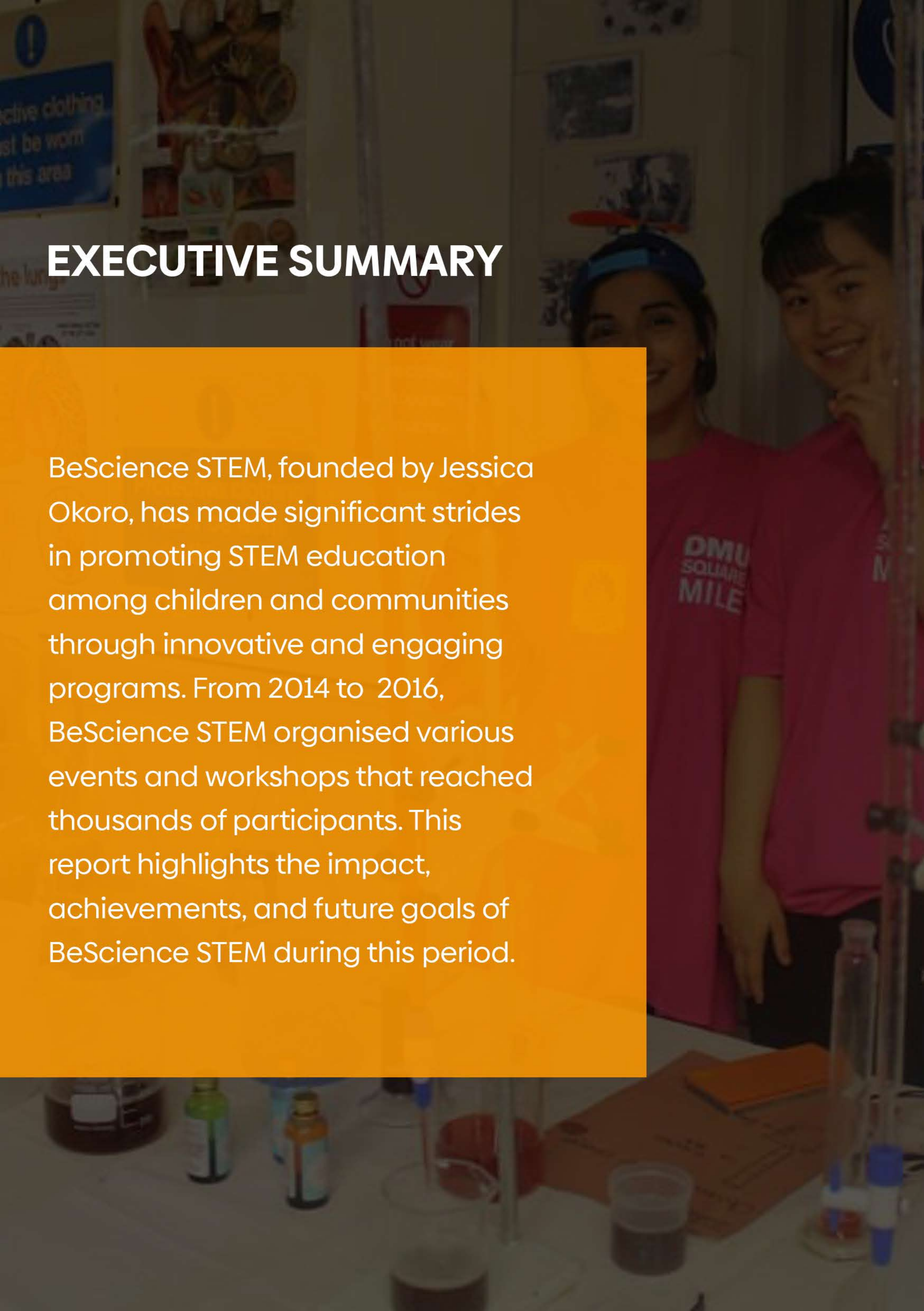
2014 - 2016

BESCIENCE STEM IMPACT REPORT



EXECUTIVE SUMMARY

BeScience STEM, founded by Jessica Okoro, has made significant strides in promoting STEM education among children and communities through innovative and engaging programs. From 2014 to 2016, BeScience STEM organised various events and workshops that reached thousands of participants. This report highlights the impact, achievements, and future goals of BeScience STEM during this period.



MISSION AND VISION



Mission

To inspire and engage young people in STEM (Science, Technology, Engineering, Mathematics) through creative and interactive experiences.



Vision

To create a future where all young people have the opportunity and resources to explore STEM, regardless of their background.



LETTER FROM LEADERSHIP

Dear Patrons,

It is with great pride and immense gratitude that I present to you the impact report for BeScience STEM, covering the remarkable journey we embarked on from 2014 to 2016. This period has been transformative, filled with groundbreaking initiatives, inspiring events, and substantial growth. Our mission to inspire and educate young minds in the fields of science, technology, engineering, and mathematics (STEM) has seen tremendous progress, thanks to the unwavering support of our volunteers, partners, and the communities we serve.

Throughout this journey, we hosted several impactful events. The Highcross Creative Kids Lab Event in 2014 engaged over 117 children with educational science activities. In 2015, we launched the STEM Juniors Clubs, offering hands-on projects and guest talks. Our Creative Kids Event at Brent Cross attracted over 800 participants with diverse activities. We also introduced Library Lab, which brought interactive STEM workshops to seven libraries, reaching over 500 attendees. Additionally, our first free BeScience geology session at De Montfort University captivated children with fossil and rock explorations.



Our efforts garnered significant recognition in 2016. I was celebrated as a Rare Rising Star and featured in both TEDx Talks and The Guardian for significant contributions to STEM education. Library Lab received the Award Winning Project of The Year at the DMU Square Mile Awards, and BeScience STEM triumphed at the DMU Pitch2Win Awards, winning £1,000 and support for future endeavours. The DMUGlobal Advert also highlighted our emotional journey and achievements, showcasing a profound impact in STEM education.

Reflecting on these accomplishments, I am filled with optimism for the future. Our journey has just begun, and we are committed to expanding our reach, developing new programs, and fostering a lifelong love of STEM in even more young minds. The dedication and passion of our volunteers, partners, and benefactors have been instrumental in our success, and I am confident that together, we will continue to inspire and empower the next generation of scientists, engineers, and innovators.

Thank you for being a part of this incredible journey. Your support and belief in our mission have made all the difference.

With sincere gratitude,

Jessica Okoro

Founder, BeScience STEM

A handwritten signature of Jessica Okoro in black ink. The signature is stylized, with the first letters of the first and last names being large and prominent.

IMPACT METRICS AND OUTCOMES



4,000+

Participants Engaged

Over 4,000 children and families



6

Events Held
6 major events



110+

Volunteers Involved
110+ volunteers



25+

**Workshops
Delivered**
25+ workshops



87%

Survey Feedback
138 questionnaires with
87% positive responses



Media Coverage

Featured in The Guardian,
recognized as a Rare Rising
Star, and featured by TEDx Talks

Highcross Creative Kids Lab Event (July 2014)

Creative KidsLAB, aims to inspire children's understanding of the fundamentals of science using innovative and creative methods. The most important outcome of this event is to inspire children, to have them leave thinking; 'I'm a scientist and I can achieve whatever I want'; and maybe some will go home and want to do further research and learning.



Location

Highcross Shopping Centre, Leicester



Dates

Saturday, July 12th, and Sunday, July 13th, 2014



Purpose

To inspire and educate children about science by showing that it can be fun and interesting.



Activities

- Writing what science means to them on whiteboards and lab coats
- Questionnaires for mothers and children
- Junk modelling (e.g., building a parachute, lava lamp, car, and rocket)
- Making fridge magnets
- Drawing around bodies and placing organs in the right spots
- Corn flour + water volcano eruption
- Play dough activities
- Microorganism exploration (microscopes, movies, Germ House game)



Participation

117 children attended, not including their parents.



Outcome

Raised awareness of STEM and created excitement among participants.

STEM Juniors Club (August 2015)

STEM Juniors is a weekly club that provides children with hands-on projects and guest talks, aiming to enrich their understanding of STEM subjects.



Focus

Weekly clubs for KS1-3 children.



Structure

Clubs meet once a week for an hour.



Activities

- Hands-on projects related to a new STEM topic each week
- Take-home projects to extend the STEM experience
- Industry guest speakers
- Educational excursions
- Debates on STEM-related topics
- Mentoring and competitions
- Collectible badge reward system



Outcome

Enhanced STEM learning beyond the school curriculum, fostering a positive attitude towards STEM among young learners.



KEY PROGRAMS AND AWARDS

Leicester Library Lab (September 2015)

LibraryLAB is a part of the BeScience pioneering movement, this program is a miniature interactive laboratory at the local libraries, giving the community the opportunity to participate in fun, hands-on STEM activities for free.



I thought it was for proper brainy people but it was great.

This has enabled our libraries to deliver one of our key objectives-Informal Learning Outside School.

Paul Gobey

(Leicester Area Development Manager and Neighborhood Services)



Locations

St.Barnabas, Belgrave Library, Westcotes, Highfields, Beaumont Leys, New Parks, Hamilton.



Frequency

Once a month on Saturdays



Activities

Interactive, hands-on STEM sessions including experiments and demonstrations.



Participation

Over 500 attendees, ages ranging from 3 to 60+.



Impact

Increased interest in STEM among a diverse age group, providing informal learning opportunities outside of school.

Brent Cross Creative Kids Event (August 2015)

Attracting over 800 participants, this event featured interactive science experiments and various activities under the theme "unity in diversity." It was designed to generate excitement about science and promote hands-on learning.



Date

August 9th, 2015



Location

Brent Cross Shopping Centre



Activities

- Science experiments
- Pop-up photo booth
- Henna art
- Candle decorating
- Exhibitions and music



Outcome

Promoted science through diverse and engaging activities, generating interest and potential future bookings for larger Kids Lab events.



Theme

Unity in Diversity



Participation

Over 800 interactions



KEY PROGRAMS AND AWARDS



BeScience Free Tuition
(August 2015)

Targeted at children, this workshop focused on geology, including fossil and rock exploration. It offered an interactive learning experience aligned with the national science curriculum.



Date

August 22nd, 2015



Location

De Montfort University, Leicester



Focus

Introduction to Geology for children aged 5-12 years.



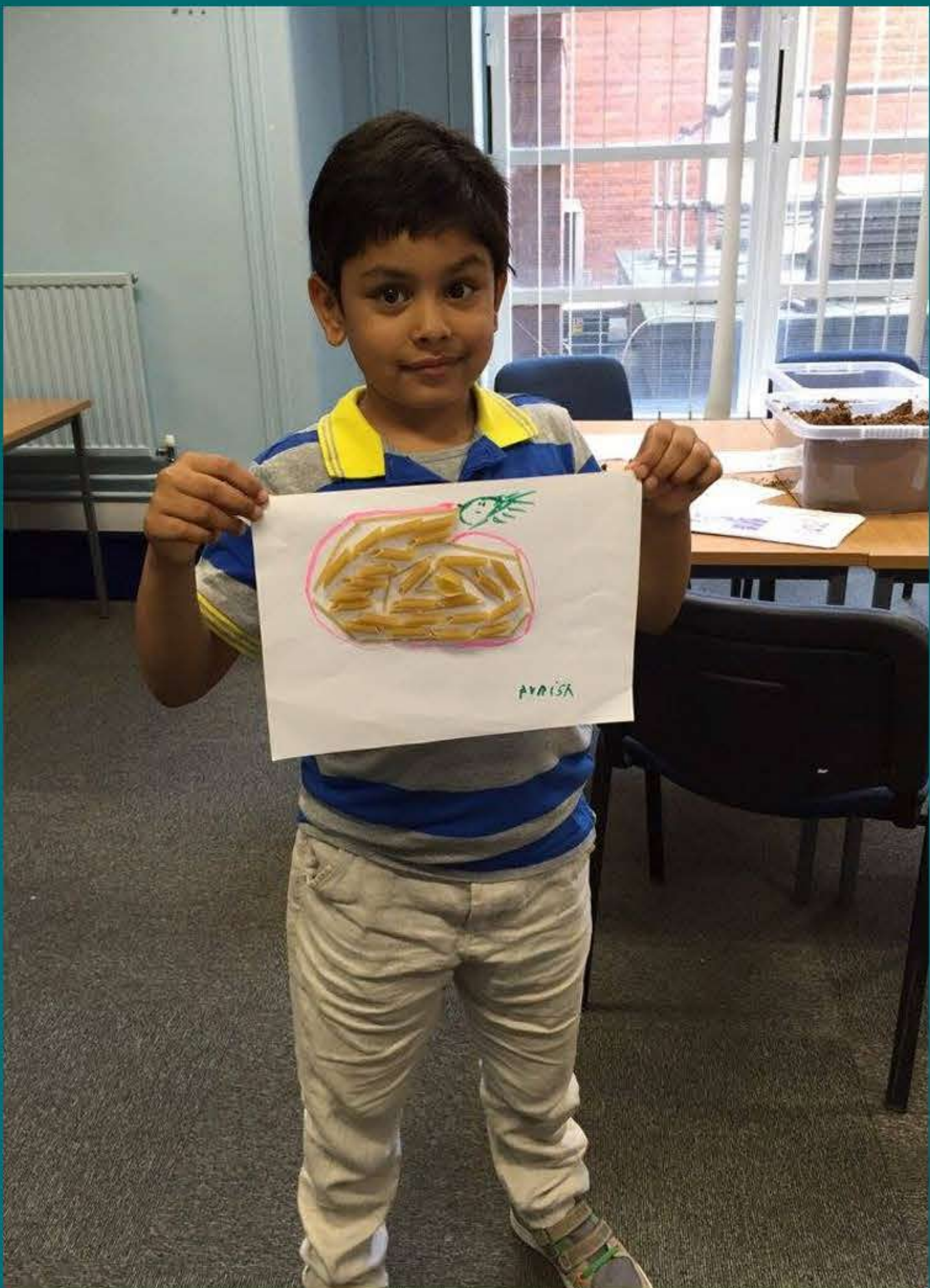
Activities

- Exploring fossils and rocks
- Comparing different rock groups
- Understanding how fossils are made
- Using appropriate terminology



Outcome

Enhanced understanding of geology concepts among young learners.



Rare Rising Star (April 2016)

Jessica was honoured as a Rare Rising Star, recognizing her significant impact on STEM education through BeScience STEM. This accolade highlighted her contributions to making STEM learning more engaging and accessible.



Library Lab - Award Winning Project of The Year (April 2016)

Library Lab received the Award Winning Project of The Year at the DMU Square Mile Awards for its effective implementation of science activities in libraries. This recognition celebrated its role in enhancing community science education.

DMU Pitch2Win Awards (May 2016)

Jessica Okoro won £1,000 and support for BeScience STEM at the Pitch2Win Awards. The award acknowledged the program's success in inspiring 4,000 young people through creative STEM learning sessions.





The Guardian Interview (August 2016)

Jessica Okoro's journey and achievements with BeScience STEM were featured in The Guardian. The interview highlighted her efforts to make STEM education more inclusive and engaging.

DMUGlobal Advert (2016)

De Montfort University's advert featured Jessica Okoro reflecting on her emotional journey as a Pharmaceutical and Cosmetic Science graduate.

The video highlighted her diagnosis with dyslexia and the launch of her pioneering business to teach young people about STEM. Jessica shared her emotional experience during filming, underscoring the significance of her achievements and the challenges overcome.

TEDx Talks (December 2016)

Jessica Okoro was featured in TEDx Talks, where she shared her journey and the innovative approach of BeScience STEM. Her talk emphasised overcoming challenges and fostering a positive attitude towards STEM subjects.



Fundraising and Development



Strategies

Crowdfunding, grant applications, sponsorships



Key Achievements

Secured £1,000 from DMU Pitch2Win, received community donations



Future Plans

Expand fundraising efforts to support more events and workshops

Volunteers and Staff Contributions



Volunteers

110+ volunteers contributed 500+ hours



Training

Volunteers received training in event facilitation and STEM education



Staff

Dedicated team of trained STEM facilitators

Partnerships and Collaborations



Key Partners

De Montfort University, Highcross Shopping Centre, Leicester Libraries



Collaborations

Worked with local businesses and educational institutions to host events



Goals for the Future



Expand Reach

Increase the number of workshops and participants



Build Partnerships

Collaborate with more schools and community organisations



Enhance Curriculum

Develop new and exciting STEM activities



Secure Funding

Obtain grants and sponsorships to sustain and grow programs

Acknowledgments

We would like to extend our heartfelt gratitude to all those who have supported BeScience STEM over the past few years. Your contributions and collaborations have been invaluable to our success.



Goals for the Future

Volunteers



For their time, dedication, and enthusiasm in making every event a success.



Partners



De Montfort University:

For providing venues, resources, and ongoing support, especially through the DMU Square Mile initiative.

Highcross Shopping Centre:

For hosting our Highcross Creative Kids Lab Event and providing a prime location for our activities.

Leicester Libraries:

For partnering with us on the Library Lab program, helping to bring STEM education to the community.

Brent Cross Shopping Centre:

For facilitating the Creative Kids Event and supporting our mission to engage children with STEM.



Participants



The children and families who attended our workshops and events, bringing their curiosity and energy.

Donors



For their generous financial contributions, enabling us to reach more children and expand our programs.

Supporters



Including the staff at Some Where To..., who helped us secure locations and provided logistical support for our events.

Thank You!

Thank you all for believing in the vision of BeScience STEM and helping us make a difference in the lives of so many young people.



Compliance and Transparency

BeScience STEM is committed to transparency and ethical practices. Our financial statements and impact reports are available upon request. We adhere to all regulations and standards for educational and Community interest companies.



Get in touch

For more information

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Bescience STEM

