

BAME Pack 2

Inspiring Role Models



Welcome to the second CGI BAME (Black, Asian, Minority Ethnic) STEM Pack. The activities inside this pack will allow you to discover different jobs in STEM with a focus on IT. It will also help you learn about some of our current CGI members, as well as famous and influential figures from different STEM fields.

Activity: Wordsearch



This activity will introduce you to a range of famous and influential figures in STEM from history and the present day. Each of them is famous for a notable discovery or achievement. Find their last names in the word search below.

I	M	A	R	E	H	G	N	A	S	E	U	U	N
N	A	O	F	A	T	A	N	N	R	R	O	A	A
A	G	I	G	O	L	K	I	L	A	I	B	R	E
H	G	L	C	A	R	R	U	T	H	E	R	S	N
G	N	A	Y	A	L	O	F	S	E	O	N	D	I
E	I	E	I	S	E	L	R	N	L	A	E	N	A
R	R	B	S	R	N	A	E	R	A	A	S	A	A
A	U	N	A	L	E	I	R	O	N	K	O	C	N
H	T	S	E	N	E	N	F	O	W	N	T	A	J
K	H	T	E	L	L	E	C	E	R	H	E	L	R
O	D	E	L	O	L	A	J	O	H	N	S	O	N
O	R	R	D	L	O	B	R	Y	A	N	T	K	A
N	O	S	E	I	M	A	J	I	Y	L	A	O	O
D	A	N	W	O	K	O	R	I	E	D	E	E	A

- George Robert **CARRUTHERS** – NASA physicist and engineer
- Mae **JAMIESON** – First African American woman in Space
- Dr Nike **FOLAYAN** (MBE) – Co-founder of Association for Black and Minority Ethnic Engineers
- Sana **KHAREGHANI** – Head of Artificial Intelligence for UK Government
- Lola **ODELOLA** – Founder of Blackgirl.tech
- Ije **NWOKORIE** – Senior Director at Apple

- Alan **TURING** – Creator of the first computer
- Kimberly **BRYANT** – Founder of Black Girls Code
- Mayim **BIALIK** - Neuroscientist, and Amy in The Big Bang Theory
- Katherine **JOHNSON** – Calculated trajectories for NASA's first manned spaceflight
- Mark E **DEAN** – Co-creator of the first colour PC monitor for IBM
- Dr Gordon **SANGHERA** – Co-founder of DNA sequencing company Oxford Nanopore Technologies

Activity: Find out more about these IT role models



There are many inspiring role models in IT and technology. Read the fact files for each person below and conduct your own extended research on them – aim for at least 5 extra facts!

Tadashi Sasaki

12th May 1915 –
31st January 2018

Nationality:
Japanese

Specialities:
Technology Engineering

Best known for:
Played a key role creating the first computer microprocessor, the Intel 4004



Sheree Atcheson

28th February 1991

Nationality:
Sri-Lankan

Specialities:
Computer Science

Best known for:
Global ambassador for
'Women Who Code'



Clarence Ellis

11th May 1943 –
17th May 2014

Nationality:
African - American

Specialities:
Computer Science

Best known for:
First African-American to achieve a Ph.D. in
computer science



Katherine Johnson

26th August 1918 -
24th February 2020

Nationality:
African - American

Specialities:
Mathematics

Best known for:
A NASA employee, whose calculations
allowed safe space travel



CGI Member Profile: Divya Bedi



At CGI we have loads of inspirational people, who come from a variety of backgrounds and cultures – this is what makes the company amazing! Read Divya’s story and career journey below.

Name: Divya Bedi

Age: 24

Job Title: Application Software Administrator and Developer

Background: Indian, Punjabi

Fun Fact: Divya has been bungee jumping!



Divya’s top three subjects were Maths, IT and PE when she was in school. She completed school exams in Business, PE and Food Tech and her college subjects were Business, IT and Punjabi.



Divya enjoyed IT so much that she went to Computer Club for Girls at school. She is also very sporty, enjoys playing badminton, dancing and likes to read as well.



Divya joined the CGI Software Apprenticeship Degree Programme in 2016 and graduated in summer 2020 from Winchester University. Divya explained that **“my Director was quite adamant for me to experience a range of roles before choosing a final one”** when she joined CGI. She started on the Helpdesk but now works in Application and Software Development (which involves a range of activities). Divya describes that her career journey so far has provided her with essential technical knowledge.



“Trust your capabilities! in education and do what you enjoy. Make the most of work and volunteering experience, as this will provide great foundation before you start your career in any sector.” Divya also says to **“do what you enjoy in school. Focus on your passion and interests always.”**

Activity: Create a poster



Let's create a poster. This poster can be drawn by hand, or as an extra challenge you can make this poster online using the link below. This will introduce you to some basic coding which you might have done in the sunrise activity in pack 1. The instructions for how to do this can be found when you click on this link:

[Wanted! - Introduction | Raspberry Pi Projects](#)

Pick a topic for your poster

Option 1

Create a poster about a person in STEM that you find interesting (this could be one of the CGI or famous people in STEM we have mentioned or someone else of your choice). Try to cover these points in your poster:

- Their name
- The job they do/did
- Whether they are still alive
- Any interesting facts about them

Option 2

Create a poster about your favourite subject within STEM
Try to cover these points in your poster:

- The subject - try to explain it simply to someone who may not know
- What you like about the subject
- Provide an example of an activity you have done in your chosen subject
- Identify a famous person related to that subject

Top Tip: If you are trying to find information for your poster, you can use information from within the pack, on the internet (with adult permission) or from any books you may have.

Remember: Don't use too many words, think about using big writing and some pictures to make the poster more interesting!

CGI Member Profile: Areefih Ghaith



Hopefully Divya's career journey inspired you. Now read Areefih's story below to learn about her education, hobbies, career and advice to you.

Name: Areefih Ghaith

Age: 24

Job Title: Account Manager

Background: Palestinian

Fun Fact: Areefih owns a sausage dog called Poncho!



Areefih's favourite subjects were Art, Drama and Science during school and she wanted to be a make-up artist. At college she chose Drama, Politics, Psychology and Economics.



Areefih really enjoys going to the gym and staying active. Areefih also loves technology, as **"there will always be new and exciting things in development"**. She has also completed lots of charity work, such as the Duke of Edinburgh award while in school and continues to volunteer at food



Areefih joined the CGI Degree Apprentice Programme to start her CGI career. She has worked in a range of roles, starting as a Business Analyst in the CGI Government sector and as a tester in the Manufacturing sector (travelling to the Netherlands every week). Areefih currently works in Insurance, starting as a Business Analyst, Project Manager and now an Account Manager. She has enjoyed her wide variety of roles because it has improved her problem-solving skills and her ability to help CGI's clients.



"Do what you enjoy!" Although Areefih didn't take STEM subjects, she still works in an IT company. Areefih didn't always get the best grades, but says that hard work and determination will always ensure that you have the best chance to be successful in life. **"hard work and determination will always ensure that you have the best chance to be successful in life. challenge yourself and enjoy learning."**

Anne-Marie Imafidon

Referred to as a child genius, Anne-Marie is a pioneer in promoting STEM for young children and educating thousands across the world.

Name: Anne-Marie Imafidon

Age: 31

Place of birth: Essex

Background: Nigerian

Subject Focus: Mathematics, Social Enterprise, Computer Science

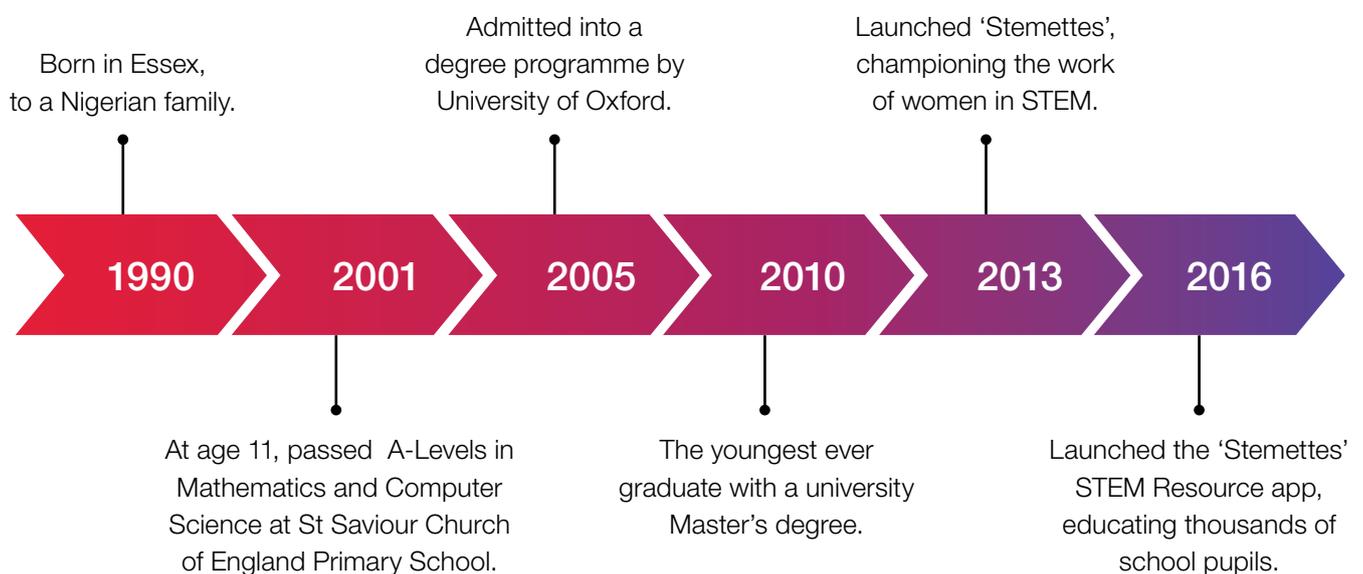
Career: Anne-Marie worked briefly for Goldman Sachs, Hewlett Packard, and Deutsche Bank before launching and becoming CEO of 'Stemettes' in 2013, championing the work of women in STEM

Key Quote: "I have inspired 17,000 girls and even more women to consider themselves in Science, Technology, Engineering and Maths roles."

Fun fact: She speaks six languages!



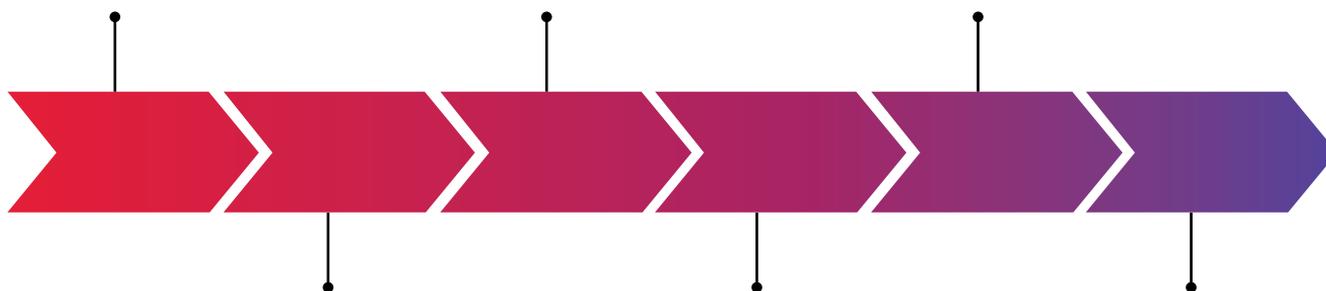
Anne-Marie Imafidon: Timeline



Activity: Create your own timeline



Where do you see yourself in the future? Maybe you want to be a game developer or a tennis player! Use the template below to create your own future - you can use words, drawings or both.



Activity: Create your own personal profile



When you apply for a job as an adult you create a CV so the company can get to know what you are good at.

Activity: Today we will look at creating your own personal profile. This will show anyone who reads it what you are good at and your favourite things. Add anything you think that makes you, YOU!

Personal Profile:

Take a look at my personal profile and then try to create your own one.



Name: Joe Bhatt

Age: 10

Location: Edinburgh

What I want to be: I want to work with computers like my mum – she designs websites.

Favourite subjects: Drama, maths, PE and English.

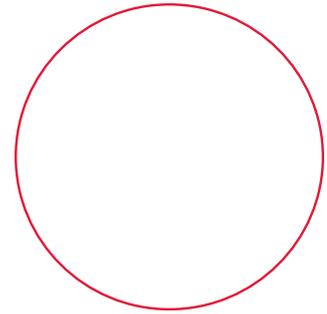
Favourite hobbies: Swimming, Scouts and Xbox.

Personal skills: Kind and helpful at Scouts. Good at figuring out maths problems. I like reading books with my little brother.

Achievements: Last week I got the Digital Citizen activity badge at Scouts. I really enjoy gaming on my Xbox and want to learn how to design games.

Personal profile:

Create your own profile to help someone get to know you. Try to include what you are best at and what your favourite things are.



Name:

Age:

Location:

What I want to be:

Favourite subjects:

Favourite hobbies:

Personal skills:

Achievements:

Thank you for taking part in our BAME STEM Packs as part of CGI STEM At Home, we hope you have enjoyed the activities in these packs as much as we have enjoyed creating them. CGI BAME STEM Pack Team.

For parents and carers, if you would like more information about our programmes for school or college leavers, including our Higher and Degree Apprenticeships, this can be found on our website.

Image Attributions:

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Sheree Atcheson: Nirushika [CC BY-SA 4.0]

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Ask your parent/guardian to upload pictures of your STEM creations to [Twitter](#), [LinkedIn](#) or [Facebook](#) using **#STEMfromHome** and **#ExperienceCGI**, remember to tag us!

For more information or additional support with STEM activities when working remotely, please contact enquiry.uk@cgi.com