

STEMillions⁺

Stemettes in their millions

STEM related activities, in youth run clubs, providing STEM role models and building a network of young people in STEM.

Teachers Pack

Bring the Stemettes-style experience to your school via a school club run by young women. Run at lunchtime or afterschool, you'll have your own local Stemettes inspiring the school community and doing a range of STEM activities related to real women in STEM and careers available at our industry partners. Working through a series of Stemillions 'Meal Plans' as a team, your club will work towards points, certificates and prizes as part of nationwide houses.

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What does a Stemillions session look like?

Each session will last 30 minutes and feature a woman STEM role model, some exploration or making and a curation of relevant opportunities. Young women will be able to share stories, knowledge and their Stemettes lives with others to help 'pass it forward' and inspire others into STEM. This will allow them to grow an interconnected network of young people in STEM across the UK, Ireland and further afield.

Each club will belong to one of four houses and compete together for points, opportunities and unique prizes that build on their Perception, Awareness, Network, Confidence and Knowledge in STEM.

Who runs Stemillions?

The answer is ... the girls! This club has been designed specifically for young women to run and their friends (of all genders) attend, with the help and support of Stemettes HQ.

Meal Plans (Activity Packs) and how they work

Each term the club leads will be sent 12 Meal Plans; 8 will focus on a woman in STEM and 4 are called *Treat Weeks*. When the girls first join Stemillions their first two weeks will be *Treat Weeks*, where they will have the chance to watch the brand spanking new Stemettes documentary; 'Eat, Sleep, Stem, Repeat.' The following 10 weeks will then be made up of 8 'Meet her' meal plans and 2 more *Treat Weeks*. At the end of each meal plan they will submit evidence of their completed plans to the Stemillions [Mightybell](#). At the end of term they will have the chance to show off their Stemillions club via a school assembly, with prizes, points and presentations (of certificates).

Points

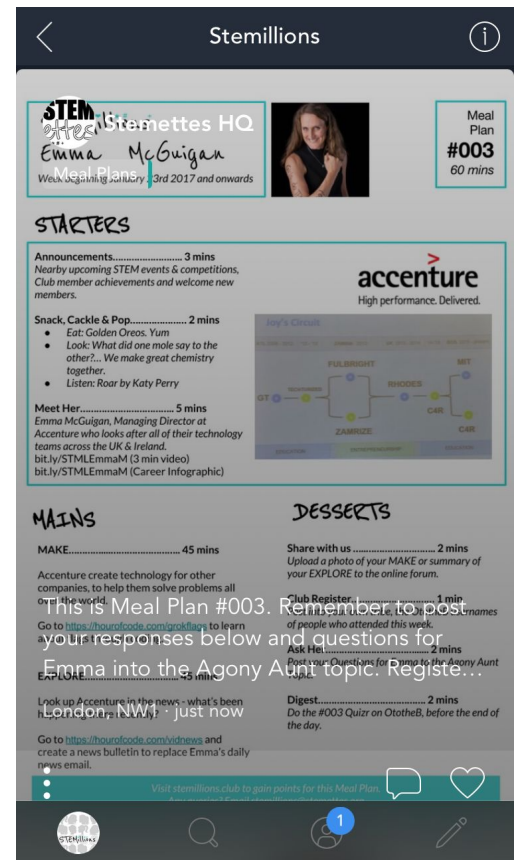
Stemillions clubs are aimed at improving perception, awareness, network, confidence and knowledge of STEM activities, careers and general skills. As such each meal plan completed will accrue 10 points per week in at least one of these areas, often with bonus points for one of the other areas. Teamwork is vital to be able to complete the Stemillions tasks and is expected to be consistently demonstrated through all the tasks. We'll measure improvements via the Stemettes companion app, [OtotheB](#).

For example, a Meal Plan about a role model in which the 'Explore' Main is chosen will contribute Perception points with bonus points available in Awareness. Club members will not know in advance which Meal Plan corresponds to which points. As evidence is submitted each week, Stemettes HQ will update the leaderboard and club with points so everyone can see progress.

Houses

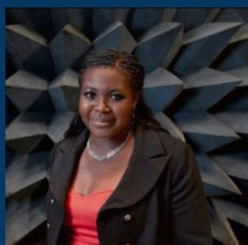
As part of growing a sense of community and network, a sorting hat will be used to put clubs into Houses.

Sharman House	- named after Helen Sharman
Shirley House	- named after Stephanie "Steve" Shirley
Aderin-Pocock House	- named after Margaret Ebunoluwa "Maggie" Aderin-Pocock
Mirzakhani House	- named after Maryam Mirzakhani



The Houses give club members an extended network to work with and which can help each other. Any collaboration with individual tasks will ultimately enable each club to gain more points. The House with the most points from its' clubs at the end of the year will win the (virtual) House cup.

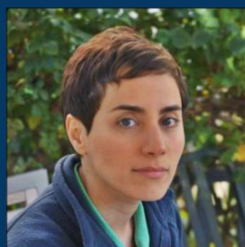
Which **STEMillions⁺** house will you belong to?



Aderin-Pocock
House

DR MAGGIE ADERIN-POCOCK MBE

Known for: Presenting the Sky at Night on BBC and being an all round top space person.



Mirzakhani
House

MARYAM MIRZAKHANI

Known for: Winning the Fields Medal in Mathematics (Equivalent to Noble Prize) - the first woman ever to do so.



Sharman
House

DR HELEN SHARMAN OBE

Known for: Being the first Britain in Space, even before that guy



Shirley
House

DAME STEPHANIE "STEVE" SHIRLEY DBE

Known for: Running a tech business in the 1960s that built stock control software and the flight recorder for Concorde

Find out from our Sorting Hat when you create your club!
stemettes.org/stemillions

Club Structure

The Club is a team and so should make decisions by consensus, taking votes where necessary. There are two roles required per Club. Remember everyone in the Club is equally valuable to the Club's success and something that is "wrong" at first glance can lead to new ways of looking at things.

- Chief Stemillions Officer- you will need one club member to read the Meal Plan before the session and lead the club in following the Meal Plan.
- Chief Data Officer - you will need one club member to take the register each week (of the OtotheB usernames of those in attendance) and submit any items to Stemettes HQ as per the Meal Plan 'Dessert' section.

A club consists of a minimum of 2 people at the start, which should at least double each term up to a maximum of 16 people per club. Your school may request an additional club if more than 16 wish to participate.

Awards

In addition to the annual House Cup there will be awards for the Club with the most points at the end of each year. This club will receive a special set of certificates, visit from the Stemettes team and a unique prize from one of our industry partners.

Club Prerequisites

The club will need the following:

- Access to a space for meeting, which has
 - Wi-Fi/Internet Access
 - a Screen
 - Audio capabilities
 - Eating is permitted
 - Pens & Paper
- A weekly regular slot of at least 30 minutes, during lunchtime or afterschool
- The support of a teacher or responsible adult, who can supervise in case of emergency
- Access to the OtotheB app
- Access to the Mightybell app or web platform at mightybell.com
- A designated club lead who is a young person (aged 21 or below), 'Chief Stemillions Officer'
- Capability to join Google Hangouts, Skype or other live video platform

The below infographic outlines this for prospective club leaders/Chief Stemillions Officers.

Everything you need to know about running your own **STEMillions** club.

Why?

- Leadership role opportunity
- Exposure to real industry role models, career options on a regular basis
- Grow your own STEM community to boost your confidence and the confidence of others
- Opportunities to connect with industry people near you
- Food & fun & STEM regularly
- *The Stemettes Life is bae*

What? you'll need

- a regular weekly slot of at least 30mins, during lunchtime or after school
- Somewhere to meet that has wifi, access to pens/paper, and that you can eat in/play audio
- The support of a teacher or responsible adult (we can help you with this)
- The OtotheB app & an OtotheB username
- Access to mightybell.com or the app at school/club venue

What? you'll get

- Weekly "Meal Plans" activity packs with role model videos
- Stemettes merchandise for your club
- A live 'Agony Aunt' session with industry
- End of term certificates of participation for club members
- Exclusives from Stemettes HQ
- You could win our termly prize
- (In remote areas, a club mentor)

How?

- Sign up to run a club and our sorting hat puts you in a house
- Get club resources from our online platform
- Post responses into the platform, for points
- Grow your club, and send us a weekly register of attendees
- End of term house points turn into prizes
- You contribute to a growing community & network of millions of young STEM people.
- The world is a better place because of you. We do it all again next term.

What Next?

Sign up is via stemettes.org/stemillions or our [OtotheB](#) app and will need to be done by the proposed club leader/Chief Stemillions Officer. They'll answer questions about the prerequisites and a few sorting hat questions. After that they'll be invited to join our Mightybell community and start running the club using resources online.

When a club joins, they'll have two weeks of our Intro Treat Weeks before joining the rest of the community in Week 3. We've put the sample 2017 Spring Term Timetable below.

STEMillions ⁺		Spring Term 2017: Meal Schedule	
	For pilot schools beginning 3rd Jan	For GirlsinSTEM schools beginning 20th Feb	
Week 1 Jan 3rd	Treat Week: Documentary Part 1	<p>These schools will be invited to join a special 'Hour of Code' trial week. Any that decline can start again after half-term.</p> <p>Each school will be allocated by <i>sorting hat</i> to one of our 4 houses:</p> <ul style="list-style-type: none"> - Aderin-Pocock Named after Dr Maggie Aderin-Pocock MBE - Shirley Named after Dame Stephanie Shirley DBE - Mirzakhani Named after Fields Medal holder Maryam Mirzakhani - Sharman Named after Dr Helen Sharman OBE 	
Week 2 Jan 9th	Treat Week: Documentary Part 2		
Week 3 Jan 16th	Meal Plan 002: Marina Johnson (Maths)		
Week 4 Jan 23rd	Meal Plan 003: Clare Eluka (Science)		
Week 5 Jan 30th	Meal Plan 004: Tania Wild (Engineering)		
Week 6 Feb 6th	Meal Plan 005: Alicia Navarro (Technology, Female Founder)		
HALF TERM - Special programme for club leads			
Week 7 Feb 20th	Meal Plan 006: Diana Terry (Technology)	Treat Week: Documentary Part 1	
Week 8 Feb 27th	Meal Plan 007: Sophie Williams (Science)	Treat Week: Documentary Part 2	
Week 9 Mar 6th	Treat Week: Agony Aunt (Live Sessions with partners)		
Week 10 Mar 20th	Treat Week: Assembly time // Your House		
Week 11 Mar 27th	Meal Plan 008: Stacey Driver (Engineering, Female Founder)		
Week 12 Apr 3rd	Meal Plan 009: Eugenie von Tunzelmann (Maths, Technology)		