

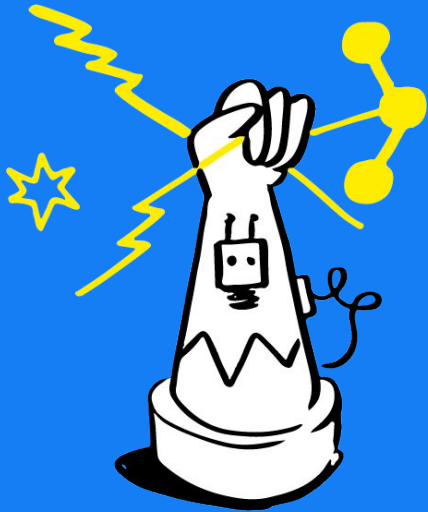
**FIRST.
TECH
CHALLENGE**
UK & IRELAND

HEY EVERYONE!

WEBINAR WILL BEGIN SHORTLY

Housekeeping

- Webinar is recorded
- Keep mics muted
- Q&A chat
- Watch the replay
- Intro to HQ team



What's in store

- A bit about us
- Our provision
- Our community
- Supporting your journey
- Season timeline and game
- Ask us anything

OK! LET'S

INTRODUCE OURSELVES

For
Inspiration and
Recognition of
Science and
Technology

#MoreThanRobotsUK

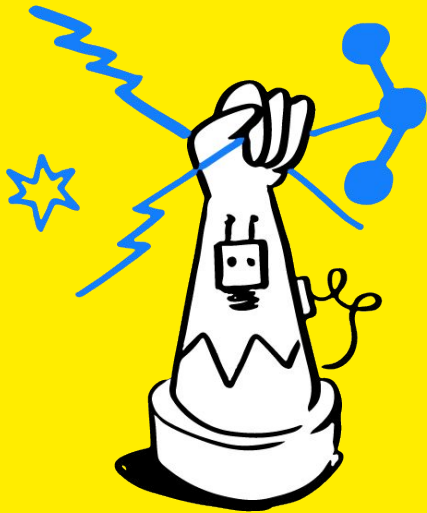
We're *FIRST* UK

A charity established in 2018, **fuelled by robots and industry mentors**. Our vision is a world where young people are empowered to **explore, challenge** and **grow** into innovators, who will take on tomorrow's challenges.

Our mission is to make STEM less intimidating, more diverse and inclusive, empowering young people to make informed choices about their future.

Backed by a global movement

As part of a **30-year-old movement** with three progressional programmes, *FIRST* engages nearly **650K young people**, and **300K mentors and volunteers** globally.



***FIRST* Tech Challenge UK**

A robotics competition for **young people aged 12-18** from schools and youth organisations.

Teams **design, build, and programme robots** to compete in alliances and triumph the season.

Our robots are made with reusable **REV Robotics kits** powered by **Android technology**, and **programmed in Java**, using coding tools for all skill ranges.

We drive real outcomes

Taking part in *FIRST* Tech Challenge UK young people:

- Use the **latest tools and technology**
- Develop **technical** and **soft skills**
- **Collaborate** across year groups
- Understand **education and career pathways**
- Engage with **leading STEM employers**
- Earn **accredited awards**
- Become **well-rounded citizens**, empowered to own their future

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PROVISION EMPOWERING
YOUNG PEOPLE TO LEAD

Five provision pillars

We support young people with educational tools and experiences to own their future in STEM.

Through self-directed learning, teams develop vital technical and interpersonal skills they can apply in the classroom and the workplace.



Content



Technology



Encounters



Competition



Recognition

The REV Robotics kit

REV Robotics provides educational and competitive robotics products to over 190 countries – designed to help students realise their innovative potential.

Our kit includes **1,400 robotics parts and a tech bundle** that can be used over and over again.

Read more: [REV Robotics](#)

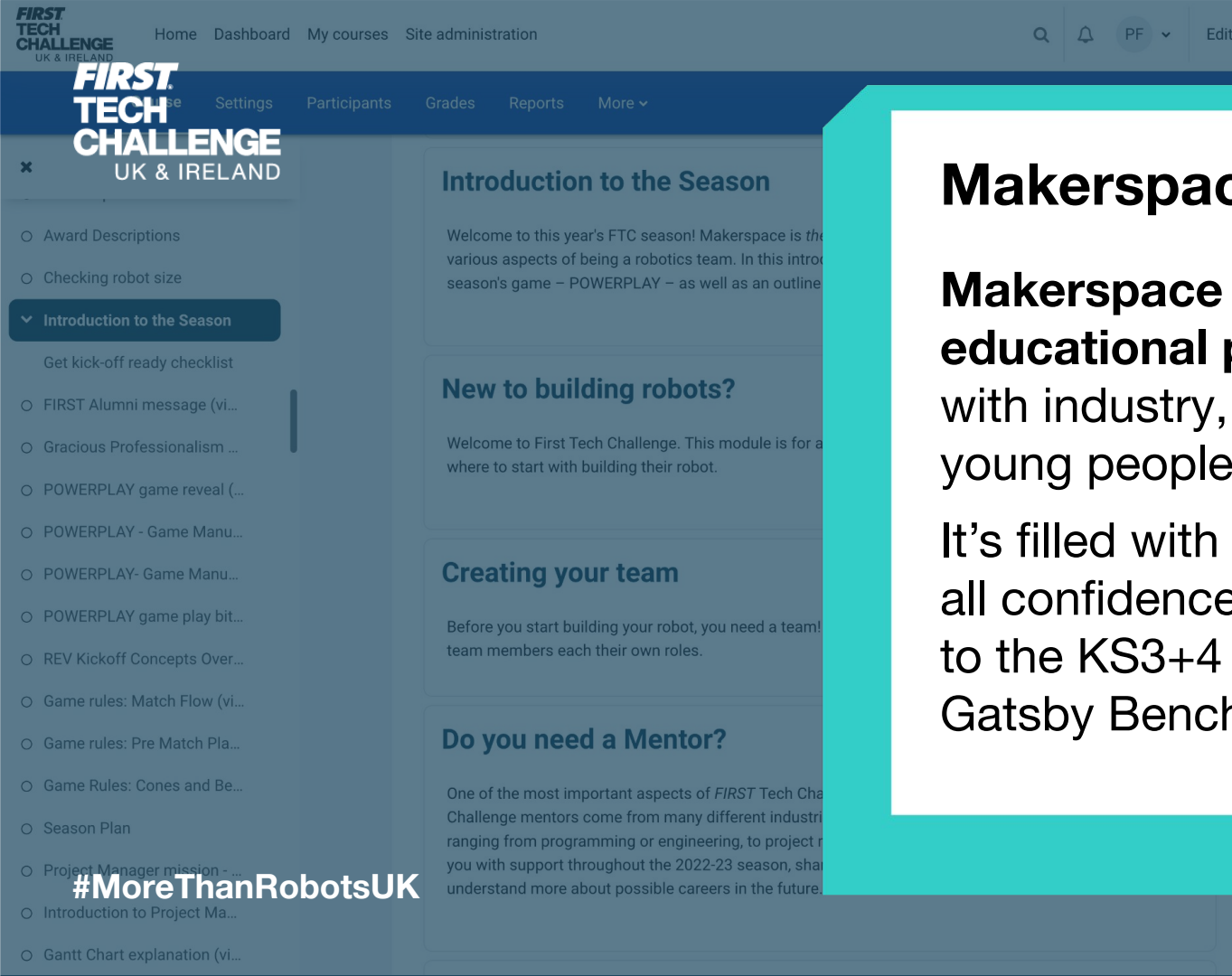


Java Programming

Java is one of the **most popular programming languages in the world** and there is a huge demand for programmers in the current job market. It's **easy to learn, simple to use, powerful** and most importantly, free!

We **offer full facilitator training** to get you familiar with the kit and Blockly programming.

Read more: [Intro to Java](#)

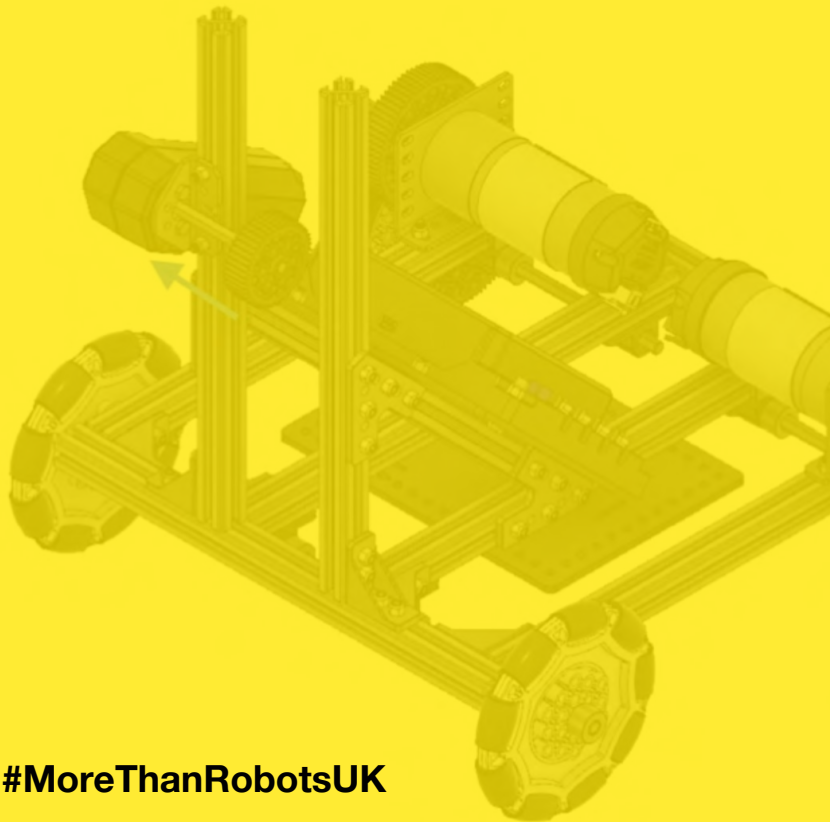


Makerspace

Makerspace is our educational platform created with industry, educators and young people.

It's filled with content to suit all confidence levels, mapped to the KS3+4 curriculum and Gatsby Benchmarks.

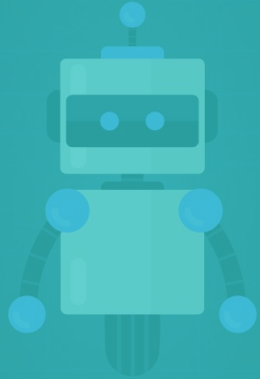
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Build basics with NIKI Bot

NIKI 'Now I Know It' is a step-by-step build guide to help you and your team **get to grips with building a basic robot.**

Also covered in our in-person facilitator training.



Lesson 1

What are robots? Why do we use them?
How are they useful? What robots
do we use in everyday life/ or see?

[VIEW GUIDANCE](#)

[DOWNLOAD RESOURCES](#) 

[Go To Lesson](#) 

Kobot[®]

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Lesson 3

Educational simulator

Designed with **Bloomberg engineers** and educators, Kobot offers **practical coding lessons** and challenges mapped to the **KS3+4 Computer Science curriculum**.

Educational simulator

The simulator is ideal for young people and facilitators with no prior knowledge to **gain confidence and skills in programming a robot**, with 5 progressive lessons.



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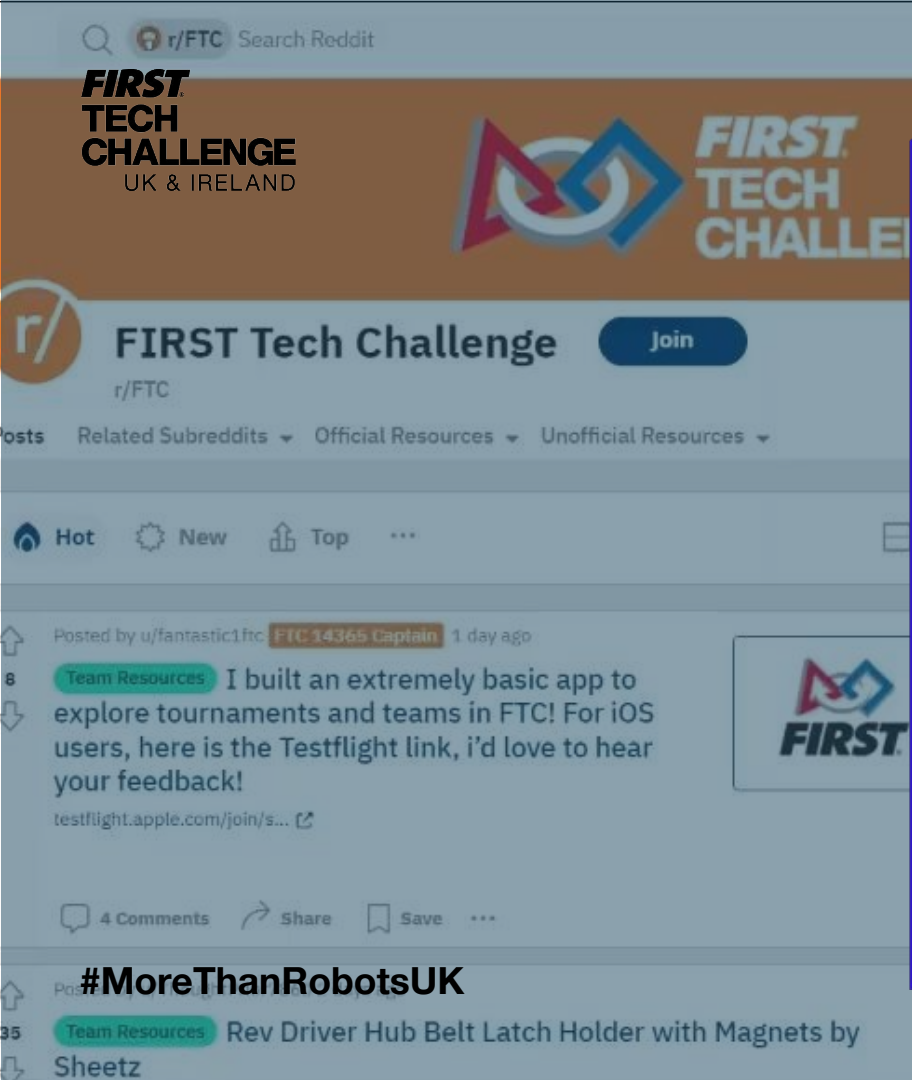
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Hub network

Network of collaborators determined to supercharge STEM experiences for young people.

Champion Orgs

Beacons of our community, championing **local support and education** for teams.



Global community

Over 70,000 young people take part in *FIRST* Tech Challenge globally.

Through community outreach and social media, new teams can **learn from experienced teams** eager to share their knowledge and support.

Events

Our competitions are where STEM meets sport. Teams compete in local and national tournaments, applying their knowledge and skills on the game field.

Embodying **More Than Robots**, they'll learn to overcome new challenges.



Event progression

Scrimmages

Informal meet-up to collaborate, troubleshoot and test the game field with local teams

Qualifying tournaments

Compete at a local tournament, showcasing your team and honing their game skills

National championship

Some teams will advance to compete in the UK championship

Awards

Judged by industry, our **awards recognise all aspects of a team's journey**, celebrating exceptional work and creativity.

Each young person can also **earn accredited CREST awards**.

PROVIDING SUPPORT

WHERE IT'S NEEDED

Facilitator training online and at Champion Orgs

New to the challenge and tech?

Tech whizz or not – we're **setting you up for success** with our new facilitator training, online and offline at your local Champion Org.

You can **deliver every aspect of the programme with confidence.**





Share the load with an industry mentor

Sit back and lean on your mentor! **Industry mentors** are waiting to **take the lead on investing in your team.**

From our **industry partners**, mentors commit to **25+ hours of support**, guiding your team, asking the right questions, linking the classroom experience to the workplace – helping you hit those key Gatsby Benchmarks.

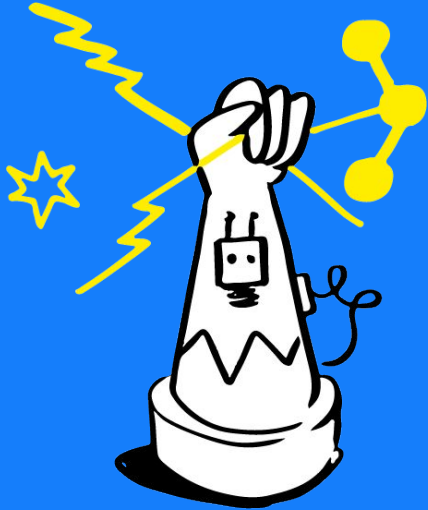
Driving equity, diversity and inclusion with **provision bursaries**

£999 provision bursaries are available for all **non-fee paying, DfE registered schools and youth organisations**, they fund:



- reusable robotics kit
- educational platform and portfolios
- industry mentors
- participation in up to 3 events
- unwavering support from Champion Orgs and HQ
- 3 years of participation

Your commitment each season



All schools and youth organisations are required to pay a **£299 commitment fee** each season. This fee secures your **place in the challenge** and access to our **unrivalled provision**.

You can request an additional team at a reduced £99 per team – if we think you're ready.

How much do you pay and when?

Price	Non-fee paying, DfE registered schools and youth organisations with bursary	All other organisations
Provision costs	£999 + VAT (-£999 bursary)	£999 + VAT
Commitment fee	£299 + VAT	£299 + VAT
Total	£558.60 (including VAT)	£1557.60 (including VAT)
Real cost	£299	£1298

Fees paid by 30 September 2023

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Read more: [Apply for a FIRST Tech Challenge UK Bursary](#)
[Access other recommended funding sources](#)

10 STEPS TO KICKSTART YOUR SUCCESS

Start your journey with confidence

Know exactly what to expect this season by following our **10 Steps to Success guide**, a **personal cheat sheet** with everything you'll need to complete a phenomenal *FIRST* season.



10 Steps to Success



1. Join our intro webinar to learn more about the season!

2. Sign up and apply for a provision bursary

3. Get started with training and community connections

4. Recruit and organise your epic team to drive inclusion

5. Receive your kit and throw an unboxing party to familiarise with the parts

10 Steps to Success

6. Complete online technical training with our robotics simulator

7. Learn the rules, team roles, game strategy, and launch socials

8. Start building, coding, sharing, learning and repeat

9. Get game-ready for your qualifying tournament!

10. Power up with post-event activities

And aspire for the Champs!



OUR SEASON

ON A TIMELINE

What this season will look like



FIRST IN SHOW SM

PRESENTED BY **Qualcomm**



This season's game

CENTERS STAGE SM

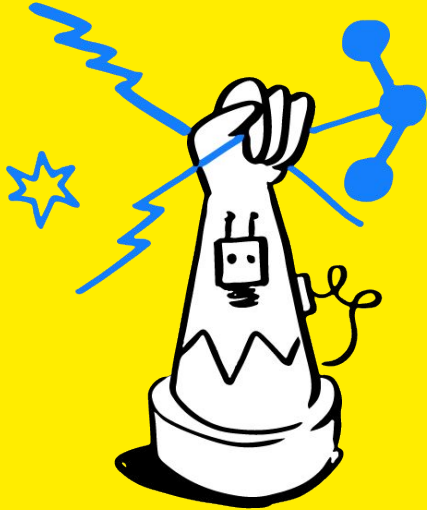
PRESENTED BY



Raytheon
Technologies

Release date 09 September 2023

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A head's up!

1. Registration is now open!

Sign up and apply for a bursary at firstuk.org/register-a-team/

2. Follow up and 10 Steps for Success

We'll send you a follow-up email, with these slides, a webinar recording and the 10 Steps to Success to get you started this season

3. Get in touch

If you have any questions, pop an email to teams@firstuk.org

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THAT'S IT!

ASK US ANYTHING



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LET'S BUILD

MORE THAN ROBOTS

