

# WILSONIC BOOM

**SPONSORSHIP  
PACKAGE**

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**TEAM NUMBER:  
33001**

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**FROM  
WILSON'S  
SCHOOL**

**SCHOOL ADDRESS:**

Mollison Drive, Sm6 9JW

**PREPARING FOR :**

First Tech Challenge

# ABOUT US

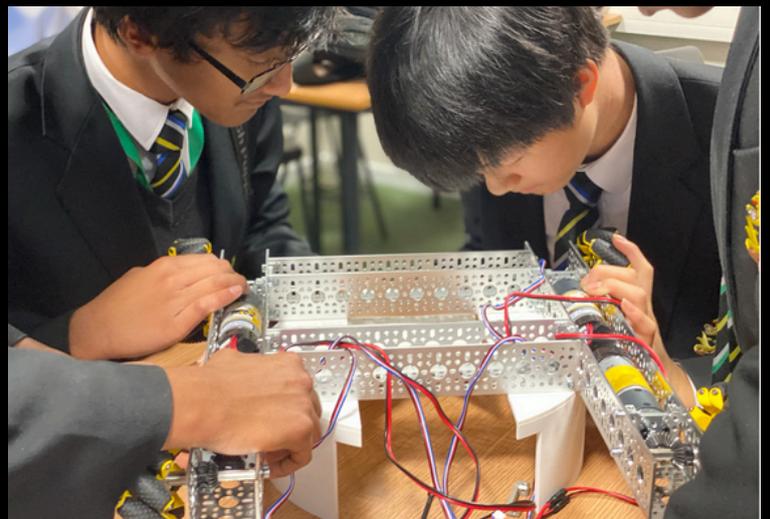
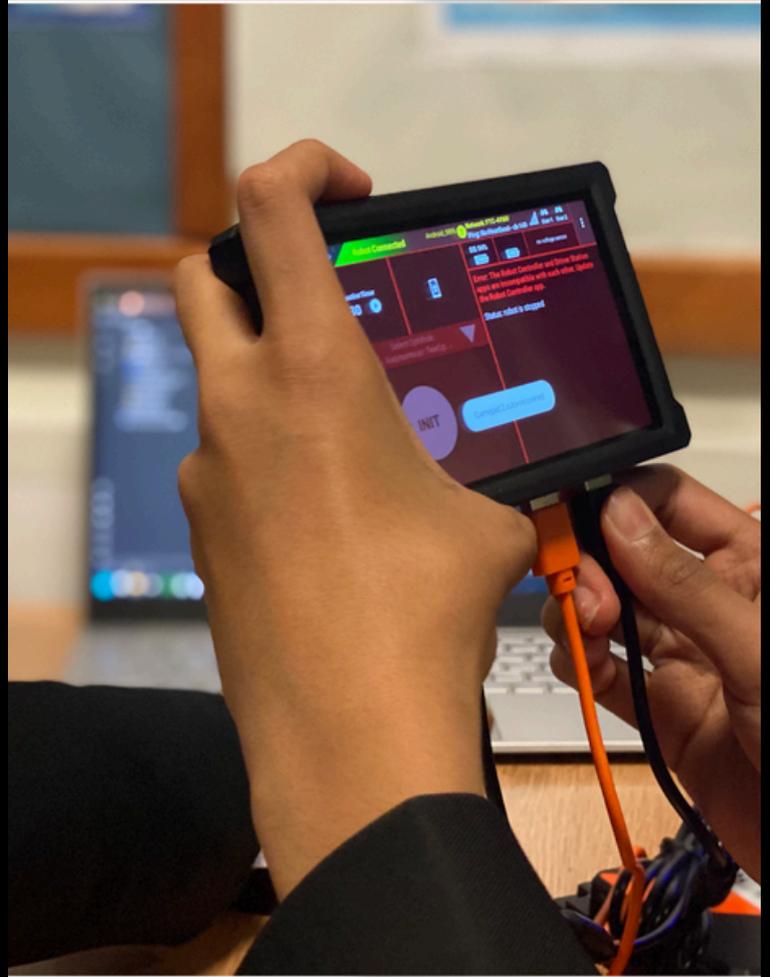
## OUR MISSION

Wilson's School Robotics Team competes in the **global FIRST Tech Challenge (FTC)**, a robotics competition where teams design, build, and program robots to tackle complex engineering challenges.

Our team, composed of **15 passionate students aged 14-17**, aims to foster STEM skills, creativity, and teamwork while representing Wilson's School in regional and national tournaments.

However, the **cost of participating is very high, and cannot be covered fully** by our state school.

This is why **we need your help** as a sponsor, and our proposition is outlined below.



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# OUR JOURNEY SO FAR

## WE'VE ALREADY COME SO FAR...

We started as a team in addition to the existing Wilsobotics (Team A). With **our independent aspirations and goals**, we have dedicated hours of work into developing our beloved robot.

Starting off with going through multiple designs on the drawing board, we **have analysed and evaluated many different potential mechanisms** for the robot.

Next, we took our design to implement on Onshape CAD. With **meticulous precision** we developed the final assembly of our V1, ready to be printed off.

With the 3D printed parts in hand, along with the official parts, we endeavour to **build the robot in person**.

However, we will go through more iterations and to get better materials to make the robot better, **we will need YOUR HELP**.



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# THE COMPETITION

## ABOUT THE CHALLENGE

With **over 5,000 teams** from **67 countries** participating, the FIRST Tech Challenge is one of the world's largest robotics competitions. Supported by industry leaders like **Qualcomm**, **BAE Systems**, and **Nvidia**, it provides students with hands-on experience in robotics and over **78% of alumni pursue STEM careers**.



## WHAT THE COMPETITION INVOLVES

The First Tech Challenge **involves advanced, hands on robotics** where team members can experience real-world engineering. Here are a **few examples** of what we have learned:

**CAD (computer aided design):** our team CAD modelled our robot and made custom parts to 3D print and laser cut.

**Programming:** Creates logic and code for the robot in order to make it behave accordingly in different scenarios, for example using colour sensors and motors to detect and sort the balls. In the autonomous period the robot will also have to use its webcam to read april tags and automatically move around the field in order to collect, sort balls to get points.

**Assembly:** The final stage of the process. We construct the robot with the multitude of different parts, with high quality, precise and reliable skill.



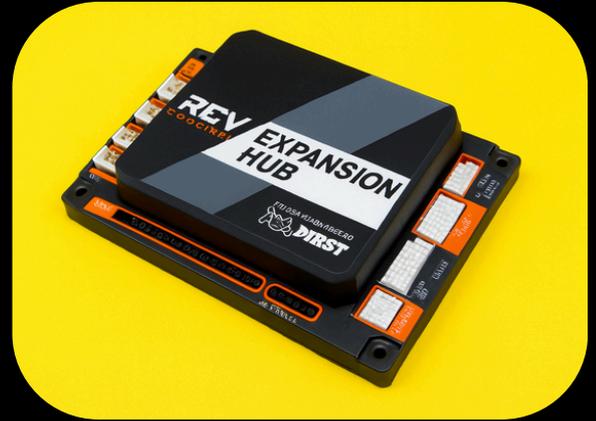
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# WHAT YOUR SUPPORT WILL FUND

## EXAMPLES OF OUR ROBOTICS COMPONENTS

### Expansion Hub: £210

This component has **several ports** which allows us to connect several different items to the robot **all at once**, which could include **cameras, sensors or motors**. This enables us to create **a really efficient robot** for the day of the competition.



### TURRET HOODED SHOOTER

The turret hooded shooter allows the robot **to aim accurately at the intended target**, without taking too long. As this competition is all about throwing the ball in the right hole, a **good and accurate** shooter is necessary.

### Servos and motors: £59

Servos and motors are **essential** for any robot. They **enable movement of the robot via the wheels**, and also **spin gears** which are needed to complete several complicated tasks. However, several of them are needed to make a successful robot for the robot, which is why we need **YOUR** help to buy them.



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# SPONSORSHIP PLANS

Here's how you can aid us in our journey

Every pound is a step **closer** to the **future**. No matter how the **small** or how **big** the donation is, they are **all welcome**.

If you are considering of **sponsoring**, please **contact us via one of the specified methods on this page**.

With **4** different plans, **you can choose** how much you want to **contribute**. Every plan has its **own perks**.

Sponsor Perks	Basic £250	Intermediate £500	Gold £800	Premium £2500
Featured on team materials: website, social media and newsletters				
Monthly sponsorship update emails detailing the team's progress				
Small logo on team uniforms				
Prominent, large logo on our robot, team uniforms, and banners				
Invitation to attend a live demonstration of the robot and meet the team in-person at school				



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**ALTERNATIVE METHODS OF SUPPORT-  
STORE CREDITS  
DONATING PARTS FOR OUR ROBOT**

# MEET THE FUTURE

## WHERE TO CONTACT US

**FTC is just the start to our creativity.** Our end goal not to just win the competition, but to also learn **skills that stay with us and with other for ever.**

FTC is a tool that we have used to learn skills such as:

**Teamwork**

**Computer Aided Design (CAD)**

**Programming**

**Basic knowledge of robotic hardware**

**Key marketing skills**

**Other business skills**

We aim to use these skills in our future as well as help nurture an interest in the **younger generation.** We aspire to **grow the next generation of STEM students.**

### OUR OFFICIAL EMAIL ADDRESS-

For any enquiries about potential sponsorships, please send them at this email address and we will try our best to get to you as soon as possible

**ADMIN@WILSONICBOOM.COM**



### THE OFFICIAL WILSONIC BOOM LINKEDIN

**HTTPS://WWW.LINKEDIN.COM/IN/WILSONIC-BOOM-FTC-608863396/**

This is a place for companies to connect with us.



### OUR OFFICIAL WEBSITE (GO CHECK IT OUT!):

**WILSONICBOOM.COM**



### EXTRA!

Follow us on our official instagram account for updates, behind the scenes and exclusive views on our robot. FOLLOW US AT:

**wilsonicboom.ftc**



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