Team Repair
Fix the Future!

Megan Hale, Team Repair

Team Repair offers a hands-on, twelve week programme designed to teach children (Years 5–9) how to dismantle and repair real gadgets, from game consoles to remote-controlled cars. Through engaging, cross-curricular activities, students explore the science behind components, product design, and sustainable living. Inspired by the founders' childhood experiences with repair, the programme aims to reignite this lost skill and make it accessible to all students, regardless of background.

At Team Repair, we've created a hands-on programme that teaches children (Years 5–9) how to dismantle and repair real products. Our structured twelve-week programme provides a new gadget to repair every three weeks - from game consoles to remote-controlled cars. Throughout these activities, students engage in cross-curricular learning, developing a range of skills. All products are pre-prepared by our team. Devices are assessed to remove any risk from residual electrical charge or hazardous components, so students aren't working with unsafe electronics.

They learn:

> The science behind how components work.

> How products are designed, both inside and out.

> To live more sustainably by repairing rather than replacing.

We designed this programme to ignite a passion for STEM in all types of students—from tinkerers and problem-solvers to sustainability advocates and creative thinkers.

What inspired us to start Team Repair?

As a child, I was fascinated by understanding how the world works. I would wake up early before school to watch 'How It's Made', dismantle anything I could get my hands on, and spend weekends repairing items with my family.

When I reached secondary school, the D&T workshop became my safe haven. I loved the process of designing and creating products that could help people. This passion led me to study Design Engineering at Imperial College London, where I met my co-founders. We bonded over our shared experiences of repairing as children—a skill that not only inspired us to become engineers but also allows us to live sustainably by fixing broken items instead of discarding them.

However, we realised that repair skills are often only passed down if a child has a tinkerer in the family—a tradition that is unfortunately being lost. That's why we created Team Repair: a programme that empowers any teacher to teach repair skills, fully aligned with the DT curriculum.

How did we design our school programme?

When developing our programme, we wanted to make it as easy as possible for teachers to deliver. To achieve this, we ran workshops with over one thousand children ourselves, refining our training materials, lesson plans, and presentations based on real classroom experiences. Today, hundreds of teachers have successfully delivered Team Repair, and over eight thousand children across the UK have learned how to repair gadgets through our programme.

How are schools using Team Repair?

Our programme is widely used in STEM clubs and as part of DT projects, typically running for 12 weeks to align with a school term.

The impact:

35% of children say it was their first experience with repair (rising to 50% among girls).

After completing the programme:

56% feel more confident repairing items.

30% express greater interest in STEM careers.

20% are more interested in jobs that benefit the planet.

What are teachers saying?

"The Team Repair project was incredibly engaging for our pupils. A brilliant, authentic and meaningful learning opportunity. Many aspects of the curriculum are covered whilst further skills such as problem solving and collaboration are developed." - **Deputy Headteacher, Sofrydd Primary School.**

"They were particularly excited about the retro console kit and the opportunity to see the components inside each kit. I find the slides and the teaching resources very informative and helpful. I think the process sparked pupils' interest in tools, repairs and finding out how everyday objects work." – **DT Teacher, Berkley Academy.**

"Using the Team Repair kit has had a profound impact on the pupils I have worked with. The kit is insightful, clear, and challenges the children on their knowledge and understanding of technology. I would recommend this to any parent/educator." - **Head of STEM Club, St John's CE Primary School.**

"I led the session with the support of two teachers. None of us has a background in tech or electronics, but the guides were straightforward to follow. We found out who in the group had experience in this area and, once they had solved theirs, they offered tech support to students who had never even picked up a screwdriver, let alone taken something apart." - **Careers Leader, Meadowhead School Academy Trust.**

"The Team Repair kits are a fantastic way for students to have fun while learning practical skills that make a positive impact on the environment. The video guides and teaching material that comes with the kits are so good for forging links between science, technology, engineering and maths: students have fun, they feel like they're doing something worthwhile and they leave with a deeper understanding of how stuff works."* - **Head of Computing, Fulford School.**

"It provided valuable learning for children of all abilities, as well as developing attention to detail, resilience and team work. We all agreed we are much more likely to repair our tech, now we have had this experience." - **Teacher and Climate Change Lead, Miles Coverdale Primary School.**

Get started at your school

Access our free lesson plan via the link below.

Links

Free Team Repair Teardown Activity
www.team.repair/blogs/free-resource-product-teardown-activity

Team Repair for Schools information
www.team.repair/schools