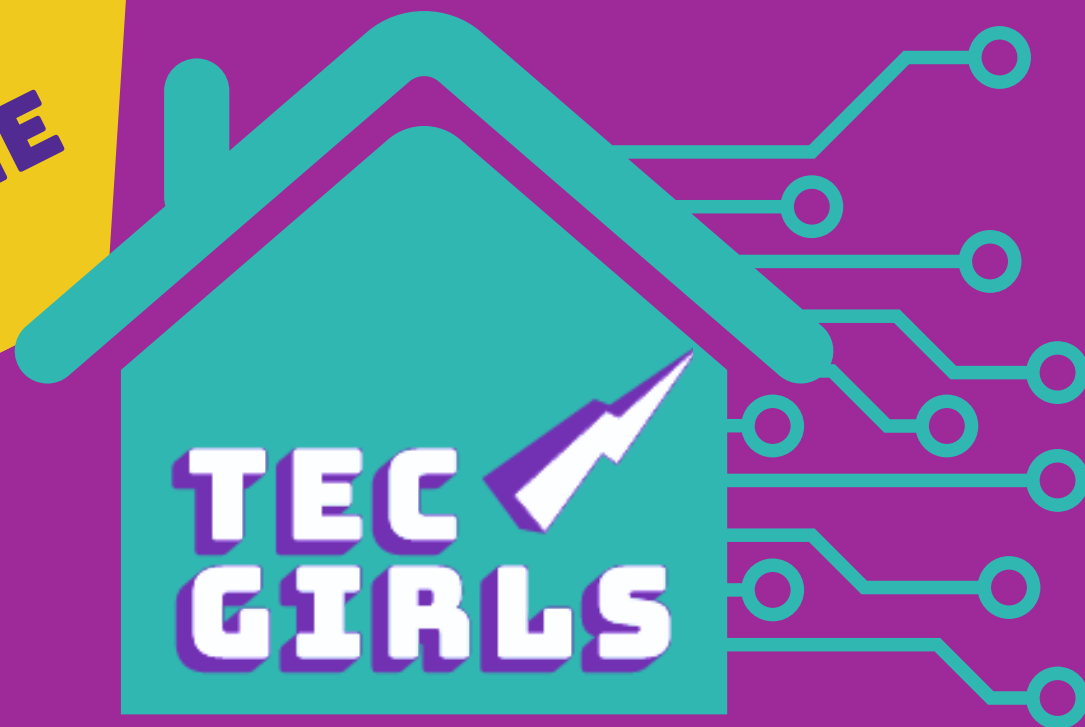


**2024  
CHALLENGE:  
BUILD A  
SMART HOME**



# **MICRO:BIT MENTORS AFTER SCHOOL CLUB**

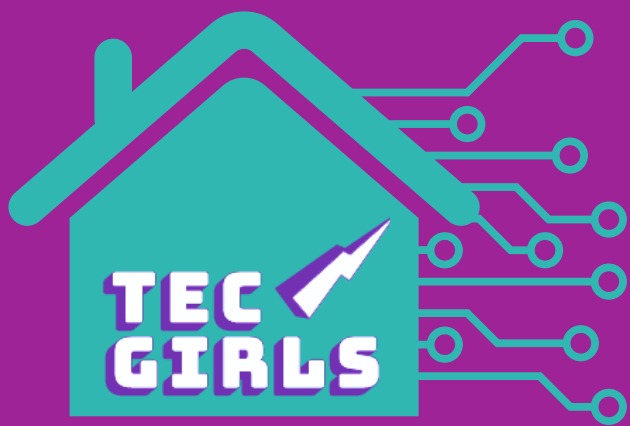
**FREE FOR YEAR 4&5 GIRLS**

**STARTING 30TH APRIL 2024  
ONLINE EVERY TUESDAY  
3.45 - 4.15PM**

**PLUS A FULL-DAY SMART HOME  
BUILDING WORKSHOP ON  
02.07.24**

An 8-week after-school club designed for year 4 & 5 girls, where each week, girls and their teachers will learn how to use micro:bits to create their own smart model home. 100 girls from across 10 schools will then come together for an all-day workshop to build their model smart home.





# MICRO:BIT MENTORS AFTER SCHOOL CLUB

Online sessions are held in the allocated school classroom. The teacher and club group will join the TECgirls led session with all other schools, before breaking out into groups with additional online support.

WEEK 1	INTRODUCTION TO MICRO:BIT, GREEN TECH AND ECO SENSORS	Tues 30th April 3.45-4.15pm
WEEK 2	SMART HEATING AND BUILDING A HEAT SENSOR	Tues 7th May 3.45-4.15pm
WEEK 3	SMART LIGHTING, SOLAR POWER AND BUILDING A LIGHT SENSOR	Tues 14th May 3.45-4.15pm
WEEK 4	SMART HOMES + ACCESSIBLE TECH WITH A LIGHT AND SOUND ALERT	Tues 21st May 3.45-4.15pm
BREAK FOR HALF TERM		
WEEK 5	ENVIRONMENTAL MONITORING AND BUILDING AN AIR QUALITY SENSOR	Tues 4th June 3.45-4.15pm
WEEK 6	INTRODUCTION TO MOISTURE DETECTION AND BUILDING A SMART GREENHOUSE	Tues 11th June 3.45-4.15pm
WEEK 7	PLANNING THE DESIGN OF YOUR MODEL SMART HOME	Tues 18th June 3.45-4.15pm
WEEK 8	INNOVATION PROJECT - WHAT CAN YOU INVENT FOR YOUR FUTURE SMART HOME?	Tues 25th June 3.45-4.15pm
LET'S BUILD YOUR MODEL SMART HOME!  HOMES FOR THE FUTURE ALL DAY WORKSHOP & MICRO:BIT MENTOR GRADUATION. THE RESULTING MODEL VILLAGE IS THEN EXHIBITED ACROSS CORNWALL		Tues 2nd July 09:30 - 14:30

