

**Mark
Southgate**

CEO of MOBIE

MOBIE

Ministry of Building
Innovation and Education



Why we started this

1

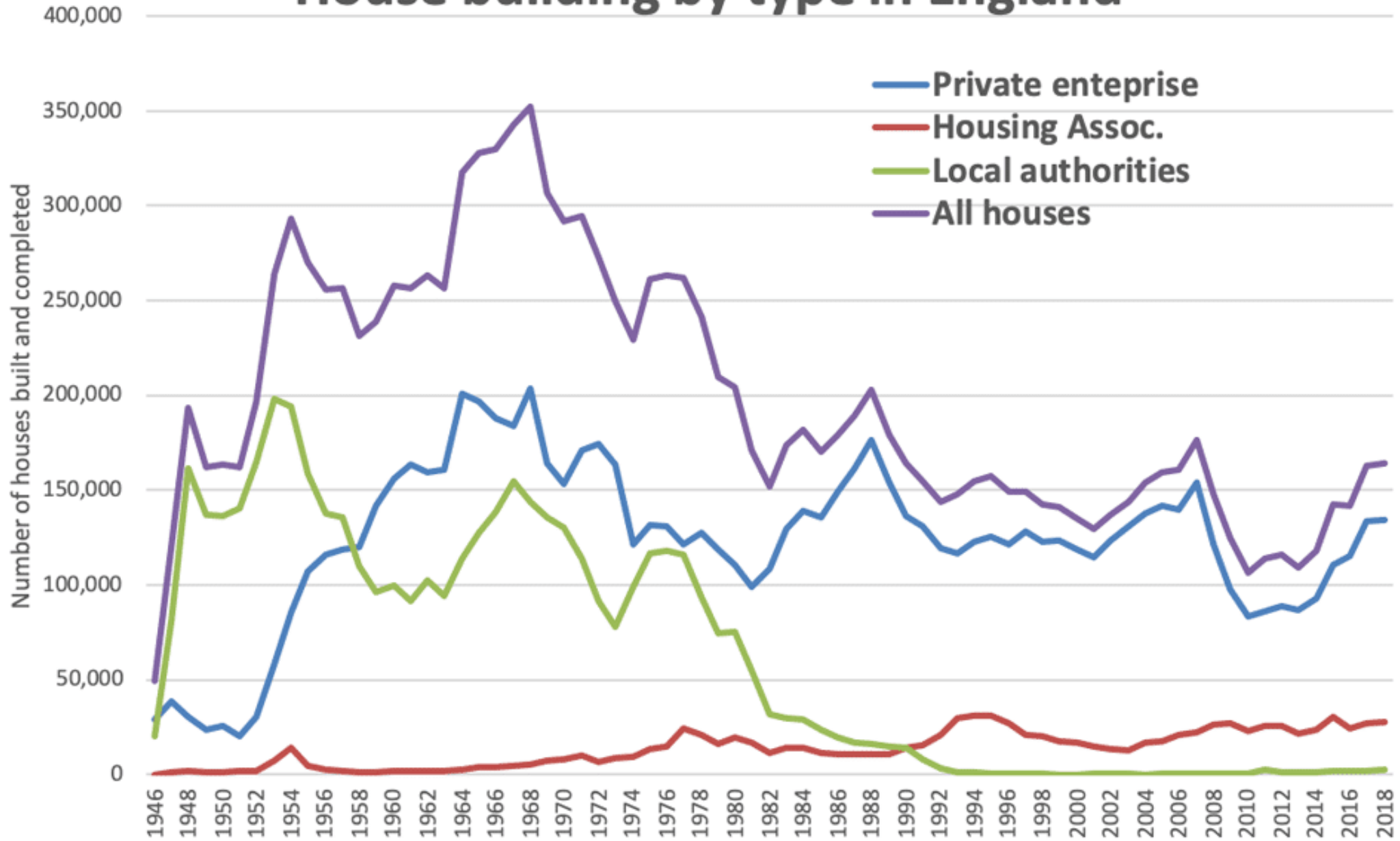
MOBIE

Ministry of Building
Innovation and Education

“

We started MOBIE to create a generational shift, to inspire young people to deliver the homes that they want and really need.

House building by type in England



Sign in

Subscribe →

The Guardian

News Opinion Sport Culture Lifestyle

UK World Business Football Environment More



The Observer

Serious design flaws in many housing estates, report claims

New developments lack basic amenities such as shops and playgrounds

HOUSING TODAY



NEWS

Most new homes of 'poor' or 'mediocre' design

By Joey Gardiner | 21 January 2020



National housing audit finds "unethical" housebuilders are designing just 26% of homes well



NEWS

Persimmon creates construction quality 'hit squad'

By **Hamish Champ** | 20 August 2019



Under-fire housebuilder says new 31-strong inspection team will ensure standards are maintained



Persimmon profits fall as housebuilder looks at repairing reputation

Company increased customer service spending by about 40% after criticism over quality



▲ The number of Persimmon homes sold in the first six months of the year fell from 8,072 to 7,584, resulting in a 4.5% drop in revenues to £1.7bn. Photograph: Darren Staples/Reuters

Sales and profits at Persimmon have slipped as the UK's second biggest housebuilder **attempts to repair its battered reputation** after criticism of its shoddy workmanship, huge executive rewards and an overreliance on the government's help-to-buy scheme.



**Is this an
attractive
career
option?**

**Perception of Construction Industry to young
people we want to change**



Our mission

To support the next
generation of designers
to build a future of:

**Greener,
Healthier &
Fairer Homes**

2

MOBIE

Ministry of Building
Innovation and Education

3

How we achieve this...

- Design Challenges
- Education Pathways
- Industry Partnerships

MOBIE

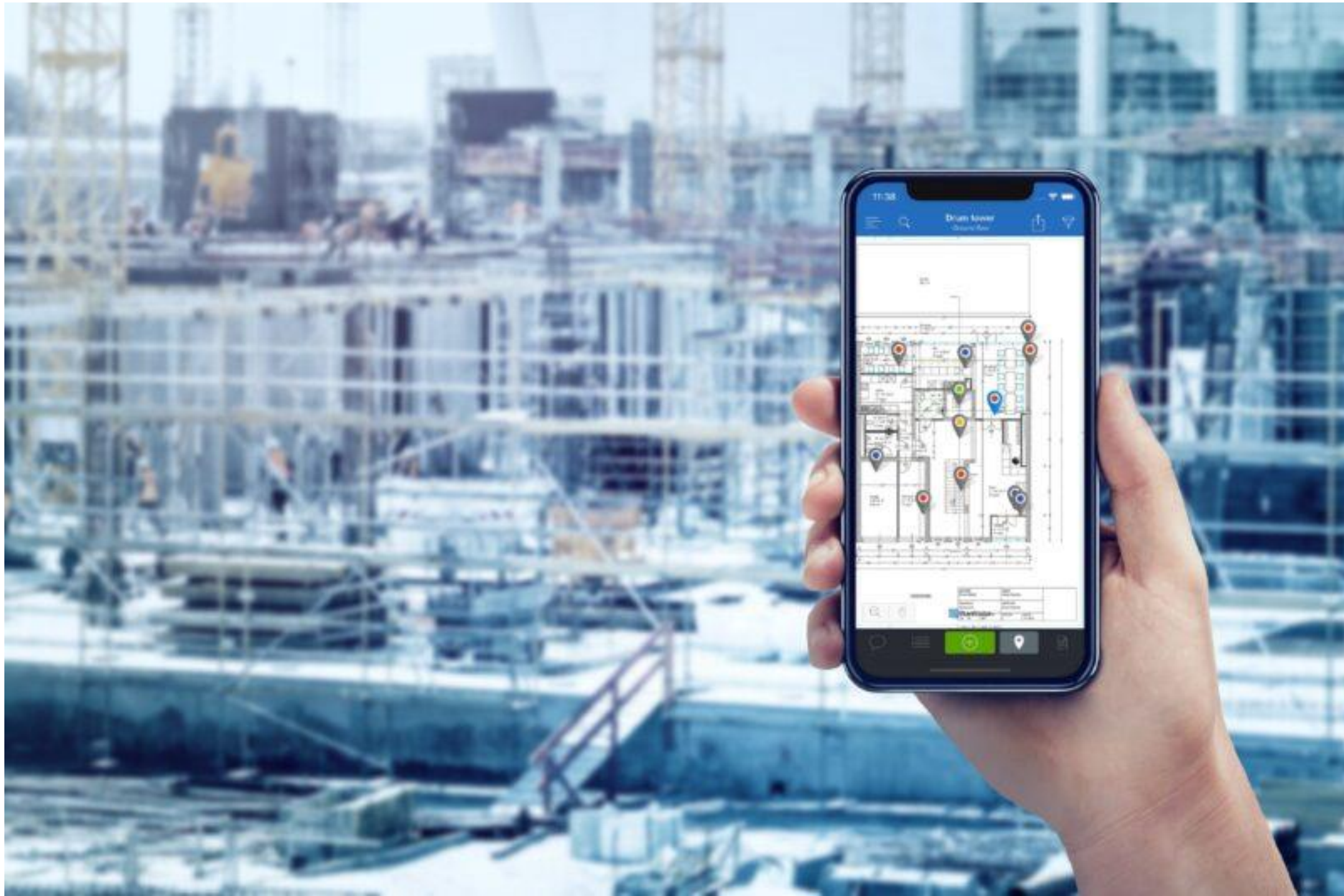
Ministry of Building
Innovation and Education

Education pathways

3

MOBIE
Ministry of Building
Innovation and Education





1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY




6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES



11 SUSTAINABLE CITIES AND COMMUNITIES



THE GLOBAL GOALS
For Sustainable Development

12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION




14 LIFE BELOW WATER



15 LIFE ON LAND



16 PEACE AND JUSTICE STRONG INSTITUTIONS



17 PARTNERSHIPS FOR THE GOALS



1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY

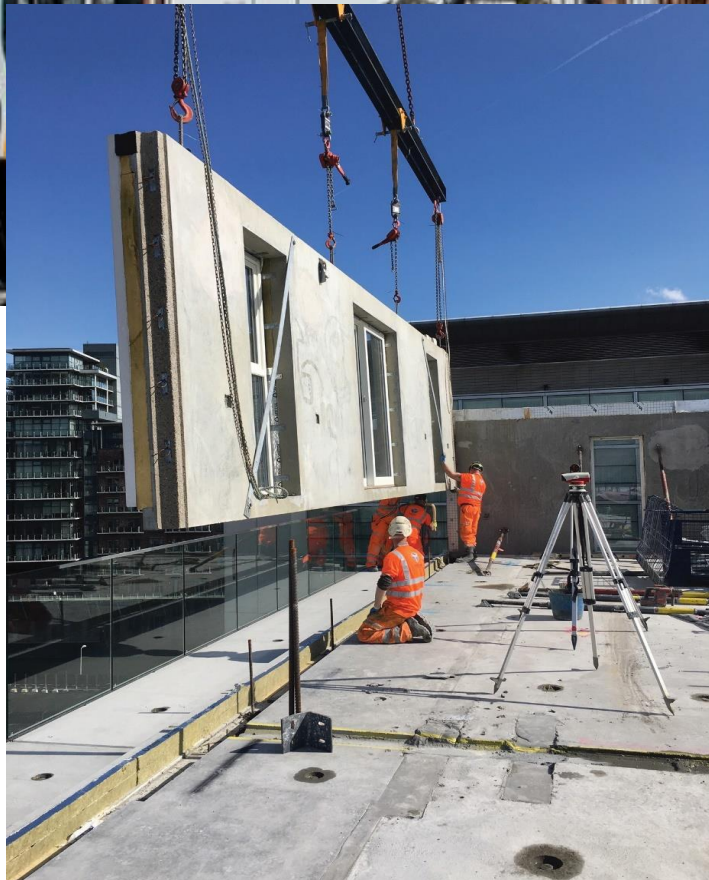


6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY





The MOBIE education pathway



SCHOOLS

Challenges and
engagement

BTEC

Construction and the
built environment

HNC

Future homes design &
construction

HND

Future homes design &
construction

>>>

Lvl 4/5 students can
progress to degrees or
employment

BA/BSc

Innovative home design
& construction
Design for future living

MSc

Advanced home
futures
Offsite housing
construction

PhD

Homes for the future
innovation centre

Our courses cover:

Digital Skills in Construction

Manufacturing Technology

Alternative & New Materials

Sustainability & Low Carbon

Retrofit

1. Digital Design and skills in construction (BIM)

2. Alternative and New Materials

3. DfMA – Manufacture, Logistics, Assembly

4. Sustainability in Construction

5. Renewable Energy

6. Retrofit

7. Refurbishment, Conversion & Adaptation

MOBIE

Ministry of Building
Innovation and Education



Built by
BTEC



© Shutterstock / Roman Kalinn

The UK's construction industry is changing. BTEC has the solution.

A new generation of architects, designers, and construction workers is emerging – and they're interested in renewable energy, sustainable resources, and innovative, future-proof designs for the housing industry.

To help you teach those skills, we've partnered with George Clarke and MOBIE to create **four optional units** for the BTEC Nationals in Construction.



www.moble.org.uk

MOBIE
Ministry of Building
Innovation and Education

Founded by George Clarke, MOBIE is an education and training charity which inspires new generations into the building profession to fundamentally transform the way we think about, design and construct homes.

The New Units

Housing Design Project:

Learners develop skills in responding to a client brief with a housing design proposal and solution.

Offsite and Onsite Alternative Construction Methods:

In order to meet wider changes in the construction industry, learners develop skills in selecting alternative construction methods.

Renewable Energy for Housing:

Learners develop plans for improving the sustainability of homes through renewable energy use, developing a plan to install a renewable system into a domestic property.

The Housing Industry:

Learners will better understand the industry – assessing the drivers that influence the housing market in terms of development, delivery and procurement.

Find out more: quals.pearson.com/BuiltbyBTEC



**OFFSITE
READY**
KNOWLEDGE FOR CHANGE

Funded by



Partners



Our modules with Twinkl presented by our Home of 2030 winners.



MOBIE
Ministry of Building
Innovation and Education

STEAM
Theme

If cement was a country it would be the 3rd largest CO₂ creator in the world!
I like to design with natural materials.

twinkl MOBIE
Ministry of Building
Innovation and Education

STEAM
Theme

I wonder how homes of the future will make space for wildlife?

twinkl MOBIE
Ministry of Building
Innovation and Education

STEAM
Theme

In the home not all of the water we use needs to be drinking water. If we could use untreated rainwater then we can save energy and that is kinder on our planet.

twinkl MOBIE
Ministry of Building
Innovation and Education

STEAM
Theme

Green roofs are not just good for us. They also create habitats for wildlife, where they can find shelter, food and water.

twinkl MOBIE
Ministry of Building
Innovation and Education



+

MOBILE

Ministry of Building
Innovation and Education

Design challenges

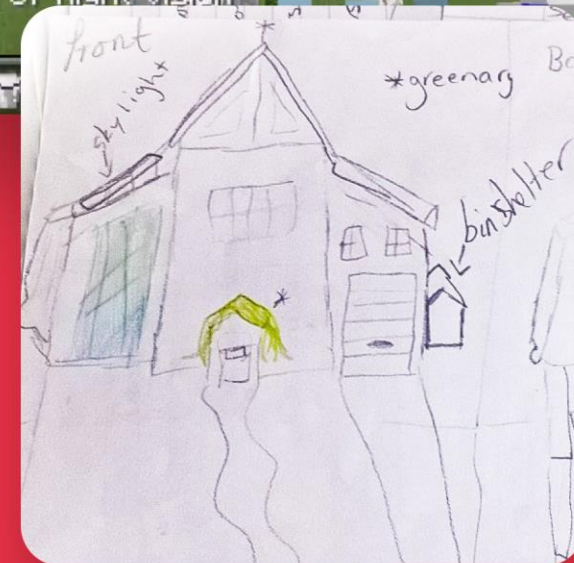
A photograph of a male teacher in a black sweater leaning over a table, pointing at a drawing on a piece of paper. Three young students in dark blue school uniforms are gathered around the table, looking intently at the drawing. The background is a solid red color.

MOBIE

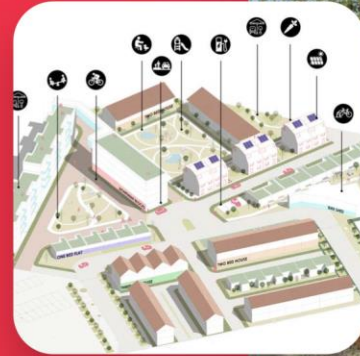
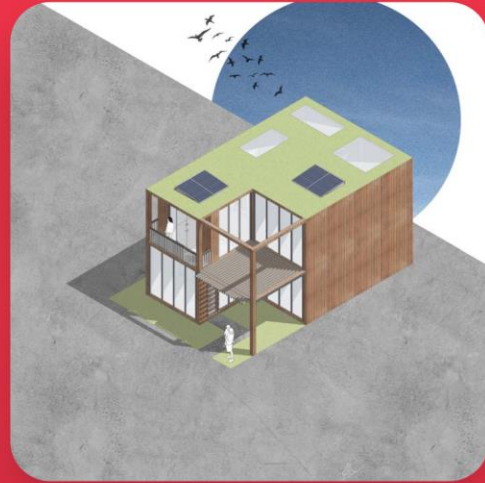
Ministry of Building
Innovation and Education



Wates primary challenge



Riverside Sunderland challenge



MOBIE

Ministry of Building
Innovation and Education

Workshops with London's young people



MAYOR OF LONDON

Design
Future
London



Industry Partnering

An aerial night-time photograph of a city, likely Toronto, showing a river (the Don River) winding through the urban landscape. In the foreground, a large stadium with a white roof and red seating is visible. The city lights are illuminated, and the sky is dark. The text 'Industry Partnering' is overlaid in large white letters.

MOBIE

Ministry of Building
Innovation and Education

HICSA Housing Innovation & Construction Skills Academy



MOBIE

Ministry of Building
Innovation and Education

HICSA Housing Innovation & Construction Skills Academy

A ground-breaking facility that will educate, train and upskill local people to create innovative factory-built new homes.

MOBIE
Ministry of Building
Innovation and Education

**Sunderland
College**

**Sunderland
City Council**

**Riverside
Sunderland**



HICSA

**Thank
you
for
listening**

**Build
the
future**

MOBIE

Ministry of Building
Innovation and Education



www.mobie.org.uk



@mobiehome