

# 2023 Design Challenge

**MOBIE**  
Ministry of Building  
Innovation and Education

**Capability  
Scotland**

## **A Residential Inclusive Community Development.**

Capability Scotland with Architect and TV presenter George Clarke's MOBIE are inviting young people across Scotland to work with people with disabilities and explore ideas and designs to create a masterplan for this innovative 'inclusive community' to be built on an exciting location on the outskirts of Perth, at Bertha Park.

This challenge scope will comprise a residency of 60 self-contained studios for high-dependency adults who have complex needs, a new primary school and high quality, energy efficient housing. These will be built on the site adjacent to the existing Bertha Park High School. The large site will require beautifully crafted landscaping and future thinking vision in its placemaking innovation.

This challenge is for young people interested in designing a beautiful and sustainable community for future living and education.

### **Placemaking**

The design, layouts and specification of the new residency, school and homes is naturally of critical importance but the development research and thinking of this entire project will act as a catalyst to create a new vision around the multi layered and bespoke support disabled people need for an equity that will enable them to flourish.

The existing high school adjacent to the site together with the

∞ | 1

2023  
Design Challenge

[mobie.org.uk](http://mobie.org.uk)

[capability.scot](http://capability.scot)

proposed primary school and the construction of the new houses, will help the building of relationships with the schools' learners and their families, existing and new, and the residents of the care home. This relationship is an especially important part of our ambition for this development and placemaking.

## The Project Mission Statement

“Our Inclusive Community Project will work collaboratively to provide innovative housing, amenities and sustainable initiatives so that its residents can live fulfilling and integrated lives. Demonstrating equality benefits the whole of society. Our Inclusive Community Project Community will play an important part in providing diversity, inclusion, vibrancy and investment within this expanding local area and community”.

## The Design Challenge

The design of every new community needs to consider where and how its residents will live, learn, work, play, socialise and relax. In designing and creating new homes and communities, we must always think about how we can help people to live sustainably, affordably and meeting our present needs while preserving our environment for future generations.

The Bertha Park Village will need well designed and well-made places, both for the residents of the care centre, the families who will live in the homes and the students who will be educated in the schools.

Our homes, the places where we live, are the most important pieces of architecture in our lives and our local communities have a huge influence on how we integrate and take part in society. Good quality, well-designed areas – with good access to green landscaping, open spaces and facilities – are key to our health, happiness and well-being and will shape the way we live and how we grow as ‘families’ and communities.

The proposed Our Inclusive Community Project will initially include the 60-studio residency for the high dependency adults, new homes

# MOBIE

Ministry of Building  
Innovation and Education

Capability  
Scotland

∞ | 2

2023  
Design Challenge

[mobie.org.uk](http://mobie.org.uk)  
[capability.scot](http://capability.scot)

and the primary school. Over the next 20 years upwards of 3000 new homes will be built with amenities and retail units.

## Your Design and Masterplan Brief for the Inclusive Community Development

Through the challenge, we are asking young people to design a beautiful, innovative, environmentally friendly community at Bertha Park. An inclusive place where the whole community can come together.

You can work individually or in small groups or classes. The areas of interest and the scope of your proposals that we want to see might include:

- Masterplans for the design of this integrated, inclusive community development for the residents to live, work, learn and play - show us what it might look like. This masterplan will propose the layout of the site for the homes, the care centre and schools and include greenspace, landscaping, communal areas, circulation, accessibility, pathways, roads, (vehicular, cycle, pedestrian, etc), parking, links to public transport, services, other facilities, etc.
- What you envisage as an 'Inclusive Community'. This might include accessibility to social interactions between each of the above, opportunities to share spaces / resources and activities. How they might learn together and from each other.
- Design Proposals and layouts for the homes. These could include a mix of studio apartments, one-, two- and three-bedroom houses and flats. It is up to you to design the mix and what homes you want to design including private outside space. The designs should include materials and methods of construction.
- What facilities and spaces should be included around the development.
- How would you deal with many of the challenges we face today –

**MOBIE**

Ministry of Building  
Innovation and Education

**Capability  
Scotland**

∞ | 3

**2023  
Design Challenge**

**mobie.org.uk**

**capability.scot**

for instance, tackling climate change, reducing energy demands and CO2 emissions, specifying renewable and resource saving technology.

- Sustainability - for example, energy efficiency across the site and buildings (low carbon, renewables, energy storage and generation), water usage and savings, future proofing against the extremes of climate change / global warming (keeping the buildings warm, cool, safe from flooding, storms, huge energy bills, etc.)
- What might the new primary school look like, what layout and facilities should be included?

You can address and answer as many of the above questions as you like, concentrating on whichever most interests you, your age category, available time, course, area of study etc.. For example you might prefer to look at designs for the school or the houses or focussing on the site and landscaping, or energy and technology.

## Submission Details

This free to enter challenge will have four age categories for submissions. For the younger students it will help bring learning in subjects such as Design, Technology, Sustainability, Science, Geography to life. It will also introduce students to the Built Environment sector and the variety of jobs – from design and architecture to planning, engineering, landscaping and construction – that exist in a sector that employs over 10% of the workforce. It will also help to introduce and open students eyes to the variety of essential and fulfilling roles associated with working in the care sector.

- 9-11 years
- 12-15 years
- 16-18 years
- 19-24 years

# MOBIE

Ministry of Building  
Innovation and Education

Capability  
Scotland

∞ | 4

2023  
Design Challenge

[mobie.org.uk](http://mobie.org.uk)

[capability.scot](http://capability.scot)

We have set out some questions to answer and what we are looking to see from the challenge.

If you create a masterplan, it should illustrate the layout of the site, including the homes, centre, school, green spaces, communal areas, streets.

The lifestyles, health and well-being of the communities you are designing for should influence your designs. What will the residents need and how will they want to live? Can the designs offer adaptability and flexibility?

Your designs should consider the planet. The accommodation must be 'green' to build and run. Its construction must use sustainable materials, (possibly recycled, re-purposed) and it must minimise waste, offer low running costs, low energy and zero carbon emissions. Think about how the design of these homes can reduce the need for materials and energy and how you can create the energy needed from renewable energy sources.

Consider what new and digital technologies the residents might need and enjoy. Your schemes, whilst concentrating on the built environment, should also encourage and promote the natural environment and wildlife.

## Site Details

Bertha Park is a new and growing countryside community on the outskirts of Perth. It has been master planned, and is currently being constructed in phases by Springfield Properties.

At the heart of the development is a great open space featuring a lake, childrens' play park and a community orchard which has been completed. The proposed development site sits on the far side of it, beside the new Bertha Park High School with a new primary school planned for 2026. To the south of a new high street where commercial units are becoming available for shops, businesses, restaurants and cafes. Additional amenities and services are planned as the village

# MOBIE

Ministry of Building  
Innovation and Education

Capability  
Scotland

08 | 5

2023  
Design Challenge

[mobie.org.uk](https://mobie.org.uk)

[capability.scot](https://capability.scot)

grows. The wider village will embrace Bertha Park Loch, ancient woodlands and the River Almond. The residents can and will be encouraged to enjoy the rich natural environment and wildlife on their doorstep.

## **Landscape, Nature & Environmental Conditions**

Participants will need to consider lots of different factors to put forward proposals for how to landscape the site to create a pleasant, safe and welcoming environment. It must promote well-being and the natural environment, increase biodiversity and address any challenges such as existing trees, waterways, overhead cables, changes of levels etc.

## **People, Community & Services**

You should consider the requirements of future occupants, residents and the surrounding community. You should think about who will live and enjoy the area upon opening, and who will live and occupy the area in the future. Perhaps future-proof your designs by imagining what they might need, what digital technologies might be required, how well will your designs last into the future?

## **Competition Brief and Launch and Times:**

The launch will be in November 2022 when the details of the prizes will also be announced. The competition will run for four months with a submission date in May 2023.

## **How we will assess your entries:**

As a guide and an important criteria we are looking for you to be imaginative, innovative, exciting, challenging and especially creative. Your ideas can be presented in the following ways:

- A visual representation of your homes, school and/or masterplan – these can be hand drawn, be pictures of a 3-D model, or be drawn using computer/CAD software, possibly a model.
- A project appraisal / your design brief – this could be PowerPoint, an essay, a video or any other format you choose.

# MOBIE

Ministry of Building  
Innovation and Education

Capability  
Scotland

∞ | 6

2023  
Design Challenge

[mobie.org.uk](http://mobie.org.uk)

[capability.scot](http://capability.scot)

- Your homes and/or school Design Strategy. This could be as above.
- How you have considered green energy and climate change strategies.

Please send your submissions to:  
[stephen.oswald@capability.scot](mailto:stephen.oswald@capability.scot)

Or by post

Stephen Oswald  
Capability Scotland  
Vantage Point, 24 St John's Road  
Edinburgh, EH12 6NZ

**Dates for submissions Friday 26<sup>th</sup> of May 2023**

### **What other support you can expect from us:**

MOBIE and Capability Scotland will be providing help and support after the launch and during the challenge with a series of webinars, workshops, events, virtual talks from professionals featuring case studies and examples of their related projects.

We will be supported at the webinars and workshops by volunteers from MOBIE's team and young members including previous challenge winners and finalists.

Further details of these can be found at [www.mobie.org/challenges](http://www.mobie.org/challenges)

# MOBIE

Ministry of Building  
Innovation and Education

**Capability  
Scotland**

∞ | 7

**2023  
Design Challenge**

[mobie.org.uk](http://mobie.org.uk)  
[capability.scot](http://capability.scot)



## The Client

Capability Scotland delivers exemplary care, support and education to disabled children and adults across Scotland

Founded in 1946 Capability Scotland has always strived to be a major ally in supporting disabled people in Scotland to have full equality of opportunity and participation as citizens of Scotland.

Residents would be living at the new facility on a permanent long-term basis. We are creating homes for individuals within the community and providing support – not simply building a new “care home”.

## MOBIE

MOBIE are an educational charity founded in 2017 by George Clarke, architect and TV presenter, to inspire young people to revolutionise the way we think about living, homes and communities. We need younger generations to define how they want to live now and in the future, and MOBIE helps them do it.

**We wish you the best  
of luck!  
Have fun!**

**MOBIE**

Ministry of Building  
Innovation and Education

**Capability  
Scotland**

∞ | ∞

**2023  
Design Challenge**

[mobie.org.uk](http://mobie.org.uk)

[capability.scot](http://capability.scot)