

The Industrial Strategy Grand Challenges

Student handout



Clean Growth

How could you heat and light your home or school if the power was cut off?

In order to combat climate change, we need to move towards a low carbon, more resource efficient way of life. We need to develop new technologies for energy generation as well as products and services which ensure everyone has access to sustainable and affordable energy. That means using renewable sources of energy, reducing waste and improving efficiency to reduce our energy use.

In future, energy might be produced more locally using solar panels, wind turbines or biogas generators.

As well as generating energy, the development of battery technology is vital to ensure that energy is available when it is needed. This will affect homes and schools too. Improvements in the design and construction of buildings will help us reduce the amount of energy we need.

The government has announced a mission to halve the energy we use in new buildings by 2030. It has also announced plans to hold a competition to design a home of the future – to build more energy efficient homes for all generations, with high quality affordable design.

What would your ideal home of the future be like?

