Significant Designs and Designers: Year 4 – Block A

Cultural Links

Approximately 11 million loaves of bread are sold every day in the UK.

The number of artisan bakeries is on the rise.

Nutritional Facts

Ingredients are often added to processed and mass-produced foods in order to enhance their flavour or extend their shelf life.

Early Life

- He was born 27th May 1975.
- He grew up in Essex, England.
- He learnt to cook in his parents' pub.



Environmental Facts

By making our own bread, we reduce our carbon footprint. Less CO2 is emitted because the bread does not have to be transported across large distances.

Career

He left school with few qualifications but pursued his passion for cooking. He has written many cookery books, hosts his own TV cookery programs and owns restaurants.

Well known for

In 2005, Oliver started his school dinners campaign to improve the quality of food fed to pupils in schools.

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Significant Designs and Designers: Year 4 – Block B

Born

1836 – 1919

London, England

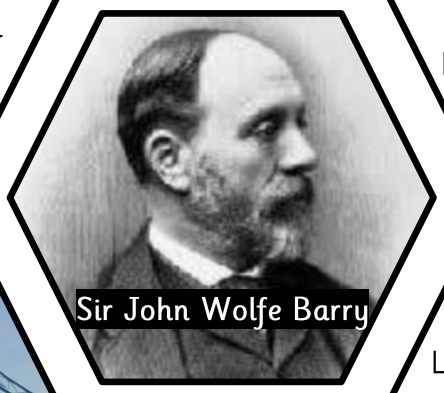
Legacy

There is a memorial stained glass window in Westminster Abbey which honours him and his work as an engineer in London.

Family

His father, Sir Charles Barry, was a famous architect.

He was married and had four sons and three daughters.



Sir John Wolfe Barry



Tower Bridge

Career

He was educated in London. He was a pupil of engineer Sir John Hawkshaw. They worked on railway bridges crossing the Thames.

Well known for

He was a civil engineer and worked with the architect Sir Horace Jones to design Tower Bridge which spans the River Thames in London.

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Significant Designs and Designers: Year 4 – Block C

Born

1907 – 1990

Lausanne, Switzerland

Early Life

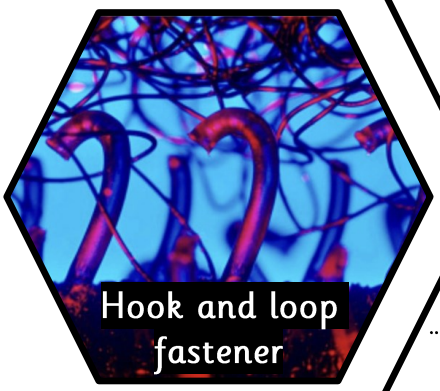
When he was 12 years old, he designed and patented a toy aeroplane.

Legacy

In 1999, he was inducted into the National Inventors Hall of Fame for inventing hook-and-loop fasteners.

George de Mestral

Electrical Engineer and Inventor



Fact

His invention of the hook-and-loop fastener was first used in the aerospace industry as it helped astronauts get in and out of their space suits more easily.

Well known for

... inventing the hook-and-loop fastener which he trademarked as Velcro.®

VELCRO

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Significant Designs and Designers: Year 4 – Block D

Born

1983

Mumbai, India

Legacy

She is a champion for women in engineering and is a campaigner for diversity.

Early Life

- Born in India, she also lived and went to school in New York, America, and London, England.
- She like playing with plastic construction bricks as a child.

Roma Agrawal

Indian-British-American Structural Engineer



Career

- Went to Imperial College, London, and Oxford University.
- Received an MBE in 2018.
- 2018, became Fellow of the Institution of Civil Engineers.

Well known for

She designed the foundations for the incredible spire on the top of the Shard.

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Significant Designs and Designers: Year 4 – Block E

Born

1906 – 1967

America

Legacy

The first motion sensor that acted as a burglar alarm was invented in the 1950s by Samuel Bagno, using technology that was developed during World War II and his military knowledge of radar.

Facts

Motion sensors still work on some of the same basic principles that Samuel Bagno's motion detector employed.

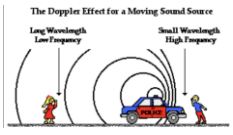
Samuel Bagno

Inventor



Did you know?

The doppler effect creates the sense that a sound rises in pitch as the sound approaches.



Well known for

Samuel Bagno was the inventor of the motion sensor in 1950.

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Significant Designs and Designers: Year 4 – Block F

Cultural Links

Spices were once treasured goods and fetched a huge price during the Age of Discovery. In fact, wars were fought over ingredients like nutmeg.

Life

Born in 1975 in Samoa, she grew up in New Zealand. After completing her training, she worked in a number of first-class restaurants. She moved to London in 1999.

Environmental Facts

Root vegetables are available for most of the year and the recipes using tinned foods can often be better for the environment as they reduce our carbon footprint.



Monika Galetti

Career

- 2009 – 2022, she was a judge on MasterChef: The Professionals.
- 2017, she opened her own restaurant in London.
- 2012 – 21, she had several cookery books
- published.

Nutritional Facts

Processed foods contain added sugars, salts and food additives, and lose much of their nutritional content during manufacture and storage.

Well known for

She is one of the best-known and most highly respected female chefs in London, England.

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