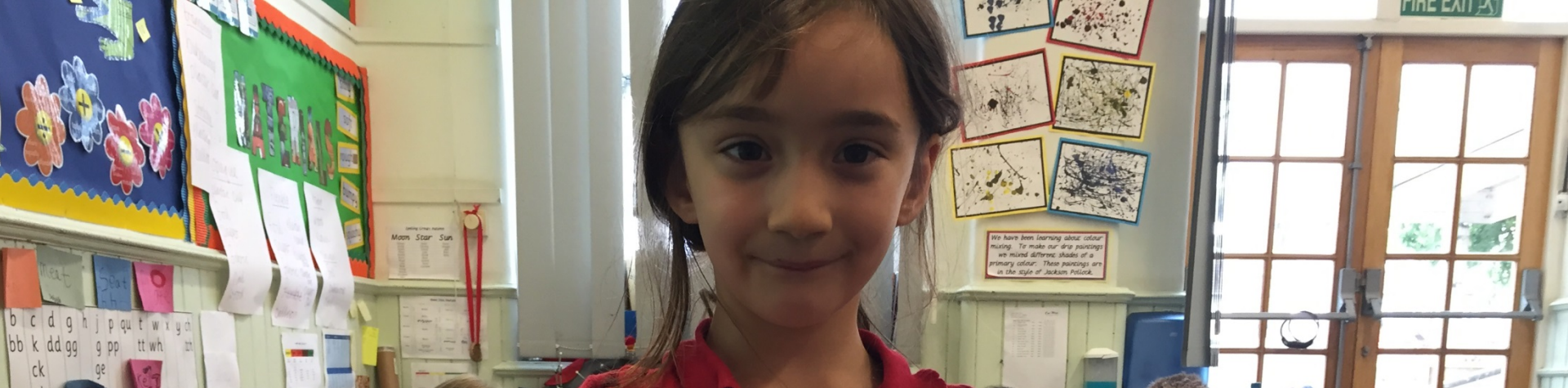


Have a look at the selection of homework that the children in Maple class produced during the Autumn term.

Our Science topic was materials and the children were set a challenge to find out about a scientist who invented a material. This is what they came up with.

It is truly awesome!



Museum

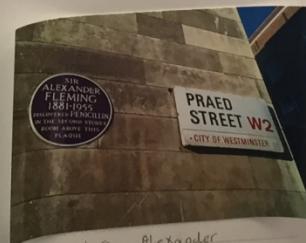
PENICILLIN

ALEXANDER FLEMING - born 1881 died 1955

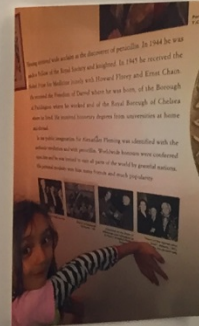


Drawn of the antibiotic age

The work of a team of scientists in Oxford including Professor Howard Florey and Dr Ernst Chain brought penicillin into use as a powerful drug in the 1940s. Penicillin was hailed as the wonder drug for the first time there was any hope of curing many previously fatal threatening diseases. But some bacteria were already resistant to penicillin and others developed resistance. A team of scientists from Oxford and London found the way to a new generation of



this is where Alexander invented penicillin

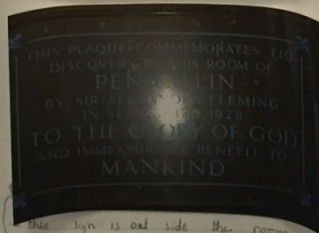


In 1945 he received the nobel prize for medicine

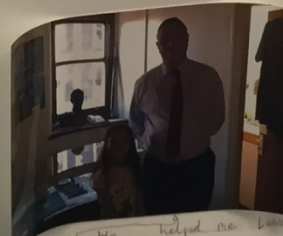
this is using holes in the cell



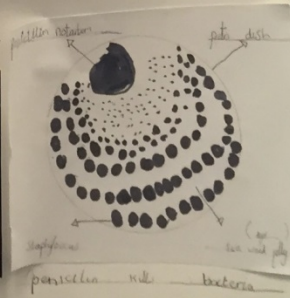
he invented penicillin in 1928 penicillin is a antibiotic



this sign is out side the room where alexander discovered penicillin



this is what he helped us learn about penicillin



by Eden

In 1835 William Henry Fox Talbot invented light sensitive paper and made this picture at his home. This was the beginning of **photography**.



Photography lets us share our world

My favourite mags have photos in them.



Photography is used in many different ways:

One is proof. For an example you could show a picture of the moon to prove you have been there.



We now have films (moving pictures) because of photography

It is easy to take photos of yourself or anything else



Using photography lets you remember good memories from past years

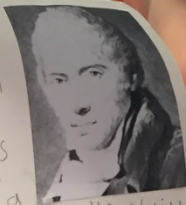


by Luna Abrams

John Loudon McAdam

born 23 September 1756 -
26 November 1836 was

a Scottish engineer and
road-builder. He invented a
new process of macadamisation "for building
roads with a smooth hard surface using
controlled materials of mixed particle size and
predetermined structure that would be more durable
than soil-based tracks."



construction of
the first macadamized
road in the
United States
(1823)



The method shown what had been considered
state of the art at that point.
Single-sized aggregate layers of small stones
with a coating of binder as
concrete is used are mixed in an open-
structured roadway.

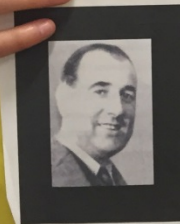


photograph
of Macadam
Road,
CA 1850s
California

Simon



John Rex
Whinfield



James Tennant Dickson

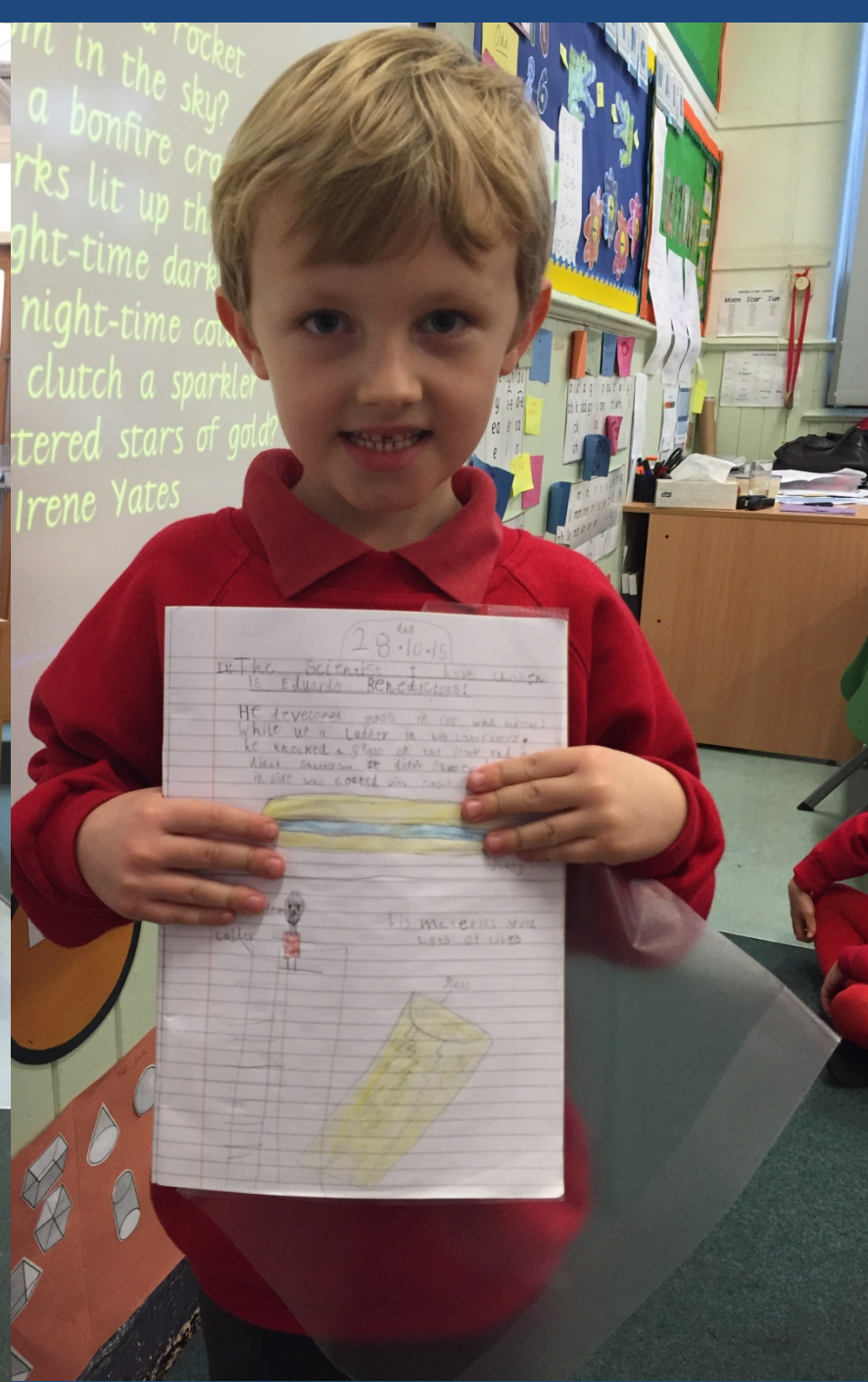
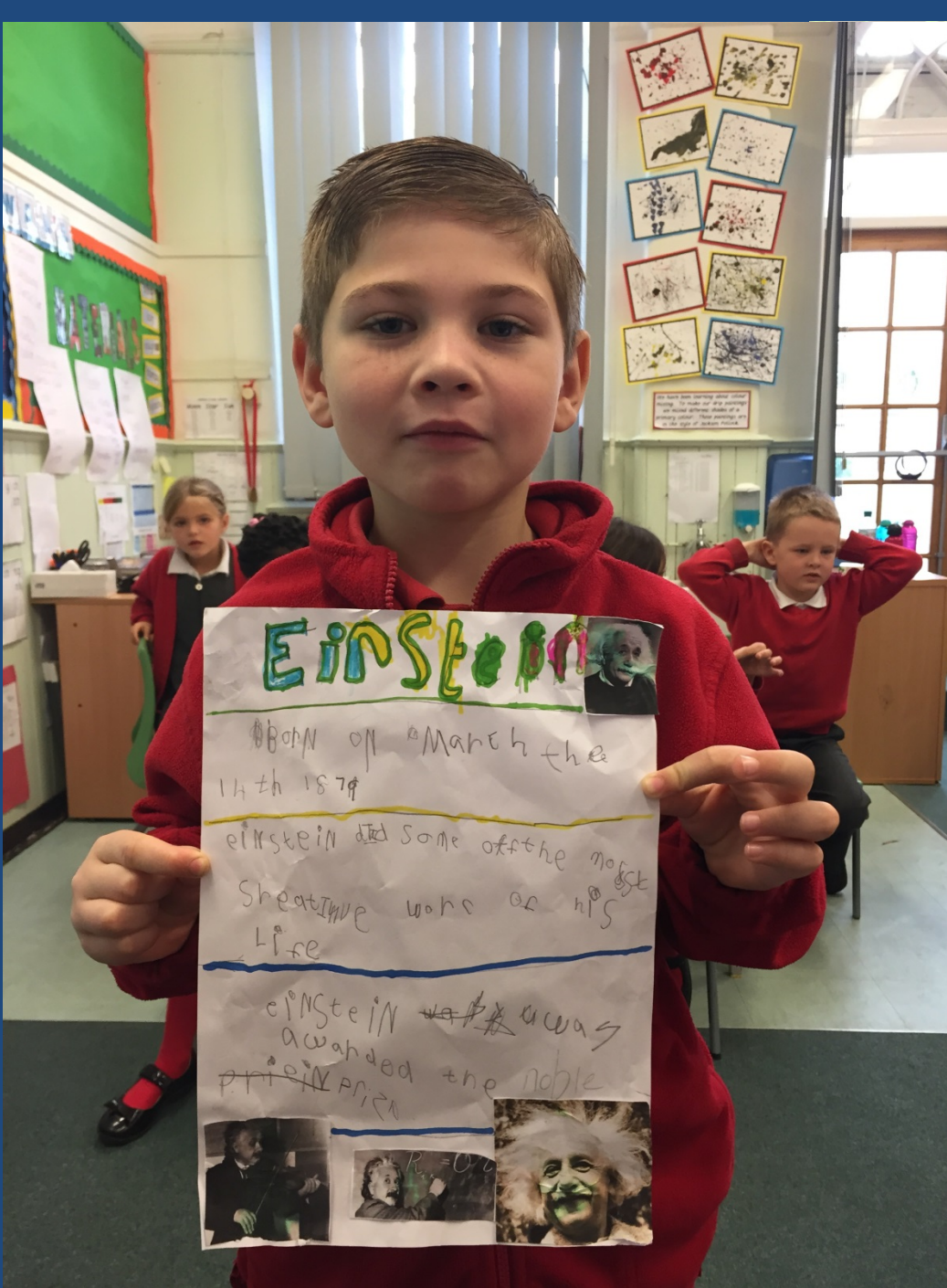
Polyester is made from a chemical
reaction and can be made
into fibre for Polyester
cloth.

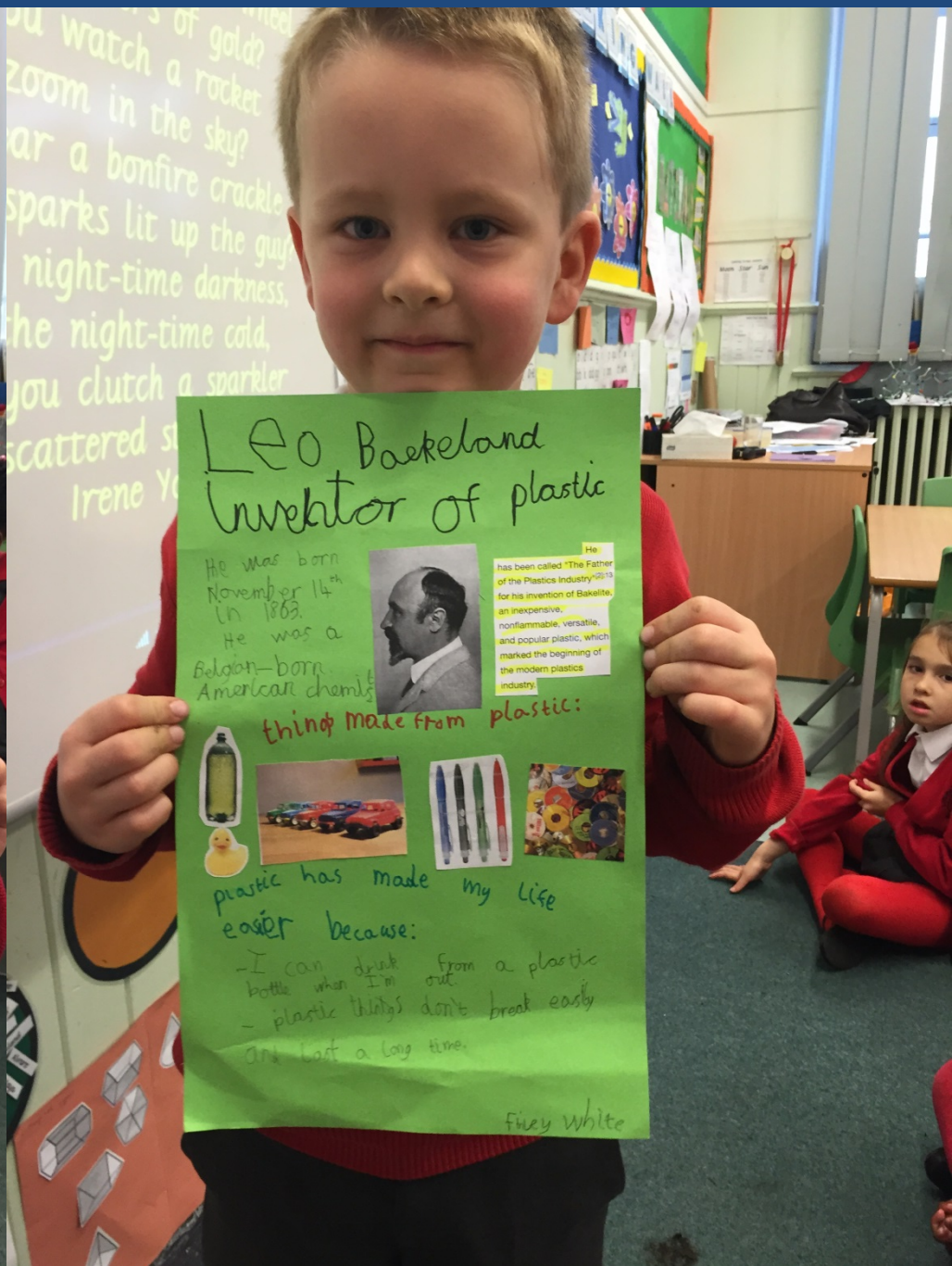
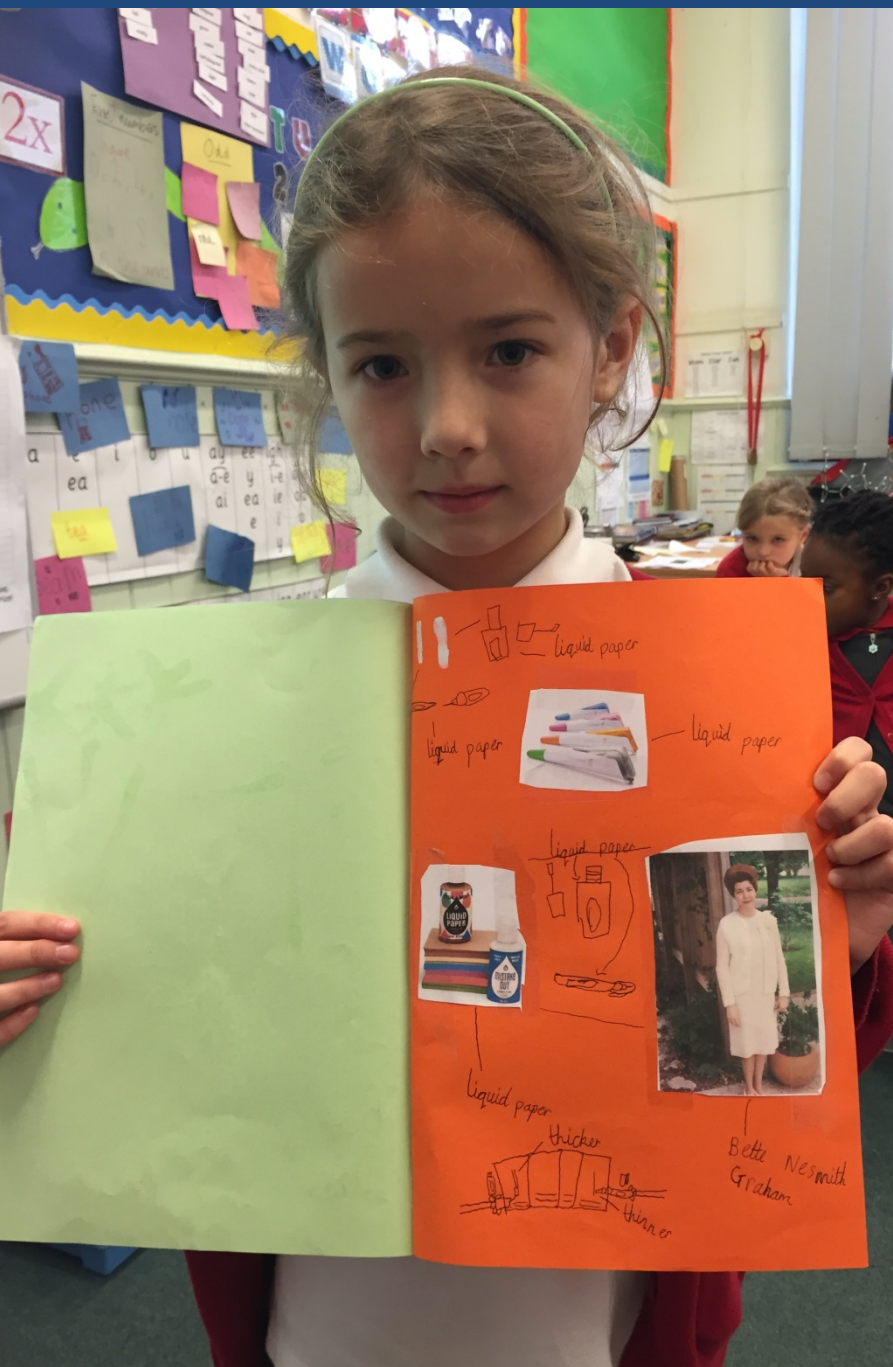


polyester fibre
after dyeing
dyeing is
the colour

Polyester cloth is used for all
kinds of clothes.

Polyester is good for my ballet dress
and my school skirt.





LEO Baekeland

Inventor of plastic

He was born November 14th in 1863.
He was a Belgian-born American chemist.

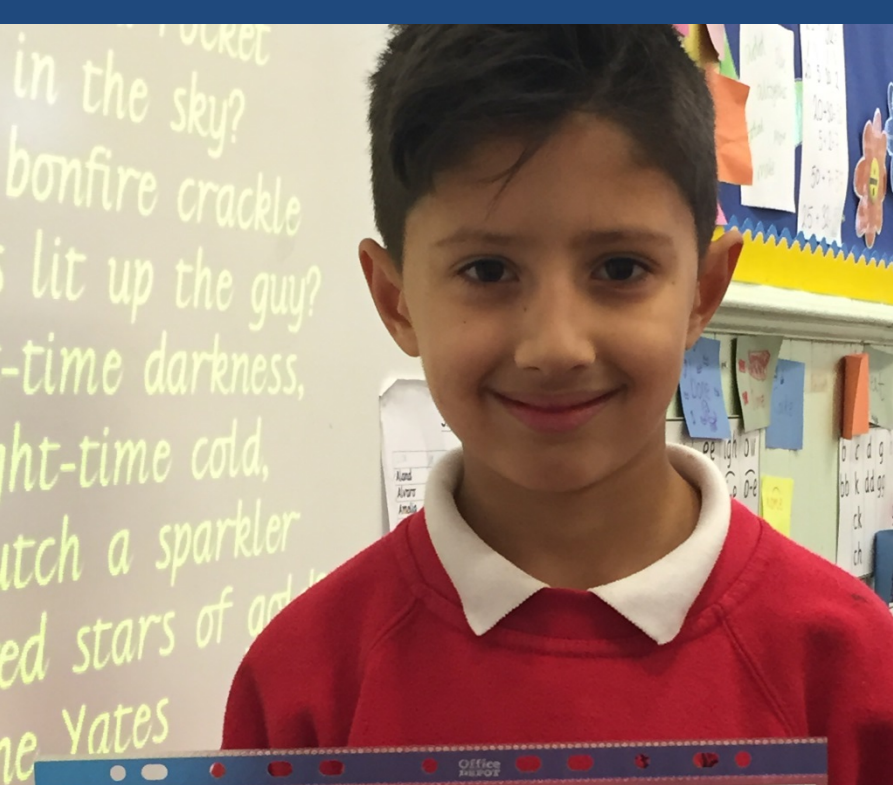
He has been called "The Father of the Plastics Industry" for his invention of Bakelite, an inexpensive, nonflammable, versatile, and popular plastic, which marked the beginning of the modern plastics industry.

things made from plastic:

plastic has made my life easier because:

- I can drink from a plastic bottle when I'm out
- plastic things don't break easily and last a long time.

Finley White




Office REPORT

Scientist

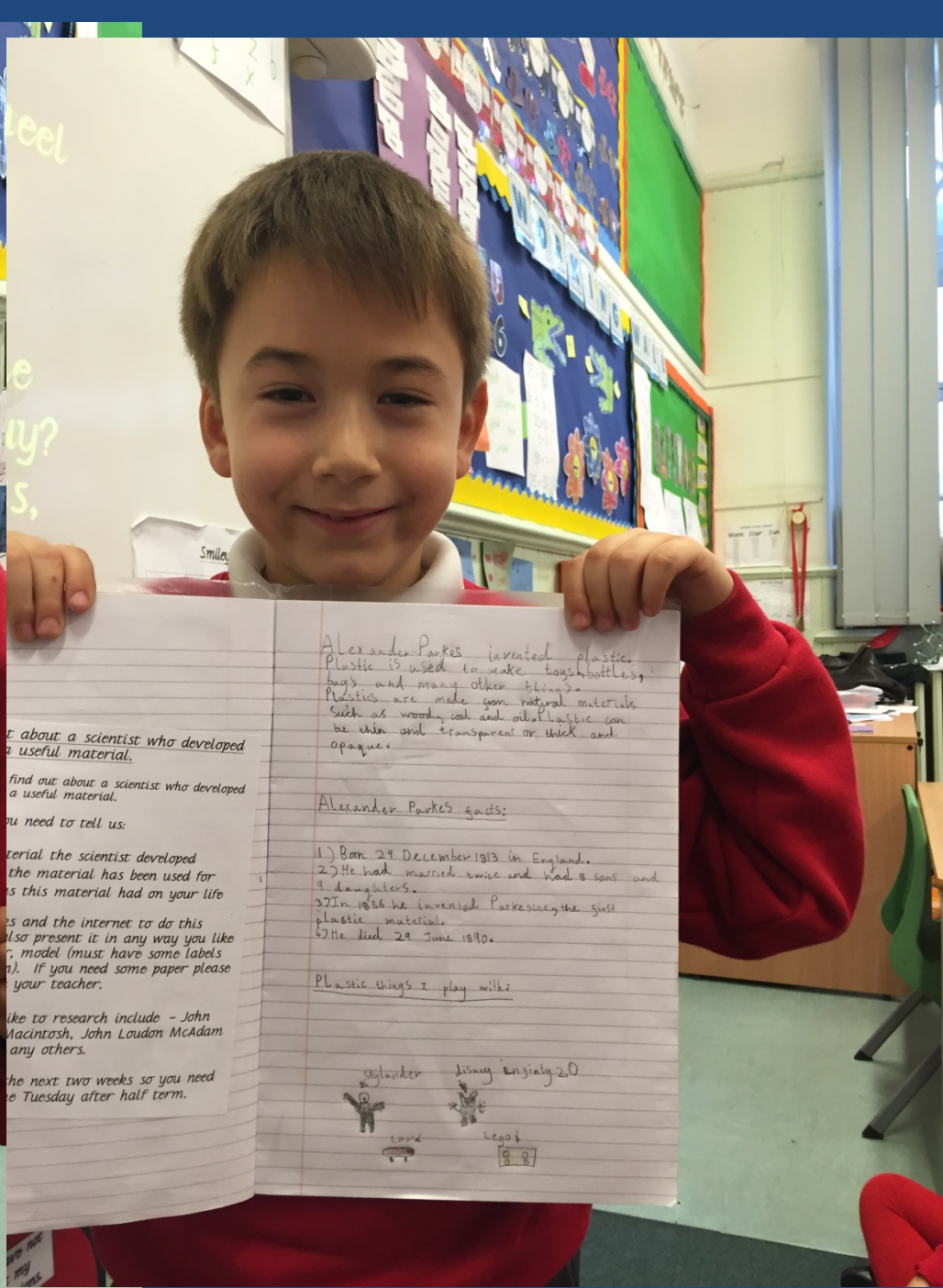

John Boyd Dunlop

John Boyd Dunlop (5 February 1840 – 23 October 1921) was a Scots-born veterinary surgeon. Familiar with making rubber devices he re-invented pneumatic tyres for his child's tricycle and developed them for use in cycle racing.
Rubber is used for Tyres and rubber bands.
We use tyres on our car



John Loudon McAdam

John Loudon McAdam was a Scottish Road Builder born in 1756.
Roads are made of Gravel.
We use Roads all the time for getting home in are car.



Smiles

about a scientist who developed a useful material.

find out about a scientist who developed a useful material.

you need to tell us:

material the scientist developed the material has been used for this material had on your life

es and the internet to do this also present it in any way you like r, model (must have some labels n). If you need some paper please your teacher.

like to research include - John Macintosh, John Loudon McAdam any others.

the next two weeks so you need e Tuesday after half term.

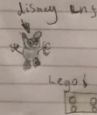
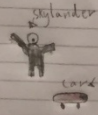
Alexander Parkes invented plastics

Plastic is used to make toothbrushes, bags and many other things.
Plastics are made from natural materials such as wood, coal and oil. Plastic can be thin and transparent or thick and opaque.

Alexander Parkes facts:

- 1) Born 29 December 1813 in England.
- 2) He had married twice and had 8 sons and 9 daughters.
- 3) In 1856 he invented Parkesine, the first plastic material.
- 4) He died 29 June 1890.

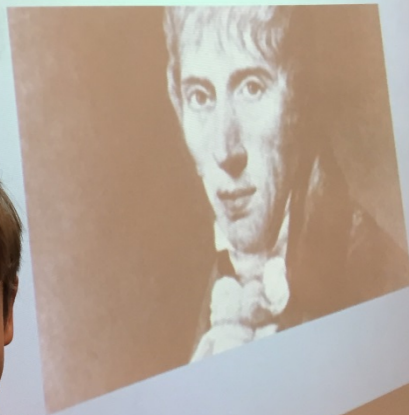
Plastic things I play with:



plastic car

plastic car

5.11.15
John Loudon McAdam
23 September 1756 - 26 November 1836
Scottish Engineer and Road Builder




2.1cm
2.5cm
2.1cm
2.7cm

1
2
3
4
5
6
7
8
9

Smiley Faces


PAPER




蔡倫

Cai Lun invented modern paper. He was born in China.


Once, Cai Lun watched a wasp make its nest by using its own saliva and bamboo, and he copied it.

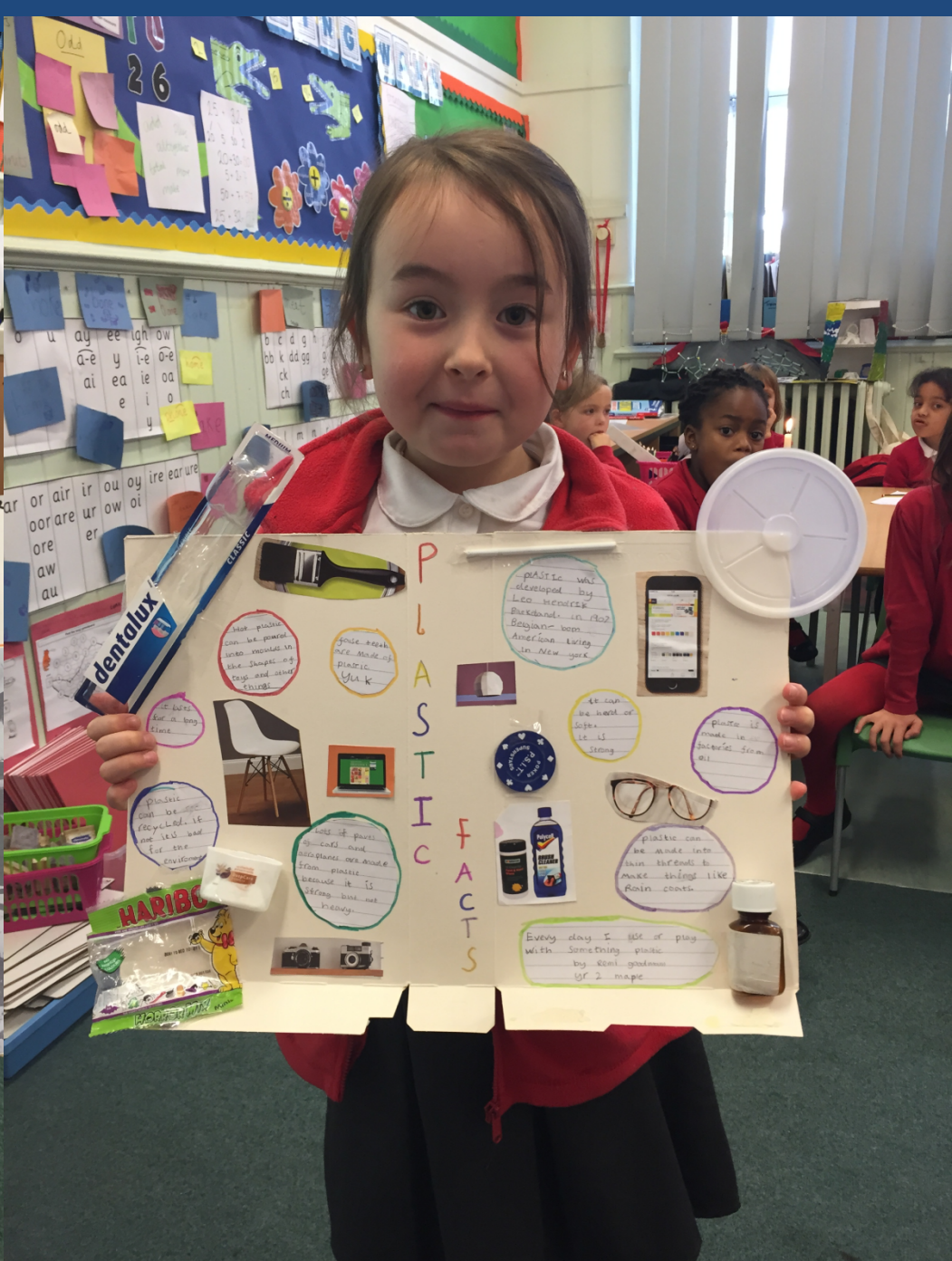


Paper can be used for paper air planes, drawings, painting and writing. Books are important because you can share knowledge and lots of paper can learn from you.



I love paper because I love making!







Charles Macintosh
(29 Dec 1766 - 25 Jul 1843)

Scottish chemist and inventor who created a waterproof cloth used for clothing. Waterproof coats are still known by his name, or the shorter word "mac."



Charles Macintosh

Charles Macintosh

- Charles Macintosh (1766-1843)
- Invented Raincoat
- Glasgow-born chemist developed technique of sandwiching a layer of rubber between two layers of cloth, making it waterproof. It was first used for an 1824 Arctic expedition. His name lives on today when we refer to wearing a mackintosh or a mac.
- Needed because it rains often.



RULLA