



How do humans adapt to survive?



Year 3 and 4

Term: Autumn

Curriculum Opportunities

English

The Iron Man.

Ice Trap- The life of explorer, Shackleton.

Explanation writing- 'How to survive in Antarctica.'

Science Fiction- 'The Iron Man.'

Reading

The Iron Man.

Non-fiction texts about Antarctic.



Maths

Place Value

Four Operations

Maths fluency

History

How have children's lives changed?

We will start by learning about children in Tudor times then Victorian times. We will be looking at how Lord Shaftsbury changed the lives of children, how leisure time has changed and finally what diseases children caught and how they were treated.

Science

Animals Including Humans

Rocks & Soils



Movement and Nutrition

We will learn about types of nutrition and the amount of each food group that we need to survive. We will look at the three main types of skeletons, name bones in the human body and describe the functions of the skeleton.

Art & Design

We are studying exploring and mixing colour. Researching artist Eric Joyner and find out about the techniques he uses in his paintings. We will be creating a collage in the style of Eric Joyner.

D&T

We will learn how toys can be powered by air. We will be designing and making a pneumatic powered robot.

Geography

This term we will be learning about the Antarctic and finding out about the explorer, Ernest Shackleton.

Computing

We will be learning about what a digital device is and how computers connect us.

PE

Gymnastic and Dance.

RE

We will be learning how about the Khalsa and if joining this makes Sikhs a better person.

Music

We will be learning how to compose a pentatonic ostinato.



Project Homework

Art

Make a penguin out of a toilet roll tube.



English

Write an acrostic poem about the Antarctic.



Geography

Research an Antarctic animal and complete the fact file about them.

[illegible]

Maths

Complete the times table challenge sheet.

Ultimate Times Table Challenge 1

Name: _____

Date: _____



	Revision Times									
Time	10 sec	20 sec	30 sec	40 sec	50 sec	60 sec	70 sec	80 sec	90 sec	1 min
1.0.1	0.10	0.20	0.30	0.40	0.50	1.00	1.10	1.20	1.30	1.40
1.0.2	0.20	0.40	0.60	0.80	1.00	1.20	1.40	1.60	1.80	2.00
1.0.3	0.30	0.60	0.90	1.20	1.50	1.80	2.10	2.40	2.70	3.00
1.0.4	0.40	0.80	1.20	1.60	2.00	2.40	2.80	3.20	3.60	4.00
1.0.5	0.50	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00
1.0.6	0.60	1.20	1.80	2.40	3.00	3.60	4.20	4.80	5.40	6.00
1.0.7	0.70	1.40	2.10	2.80	3.50	4.20	4.90	5.60	6.30	7.00
1.0.8	0.80	1.60	2.40	3.20	4.00	4.80	5.60	6.40	7.20	8.00
1.0.9	0.90	1.80	2.70	3.60	4.50	5.40	6.30	7.20	8.10	9.00
1.0.10	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00
1.1.1	1.10	2.20	3.30	4.40	5.50	6.60	7.70	8.80	9.90	11.00
1.1.2	1.20	2.40	3.60	4.80	6.00	7.20	8.40	9.60	10.80	12.00
1.1.3	1.30	2.60	3.90	5.20	6.50	7.80	9.10	10.40	11.70	13.00
1.1.4	1.40	2.80	4.20	5.60	7.00	8.40	9.80	11.20	12.60	14.00
1.1.5	1.50	3.00	4.50	6.00	7.50	9.00	10.50	12.00	13.50	15.00
1.1.6	1.60	3.20	4.80	6.40	8.00	9.60	11.20	12.80	14.40	16.00
1.1.7	1.70	3.40	5.10	6.80	8.50	10.20	11.90	13.60	15.30	17.00
1.1.8	1.80	3.60	5.40	7.20	9.00	10.80	12.60	14.40	16.20	18.00
1.1.9	1.90	3.80	5.70	7.60	9.50	11.40	13.30	15.20	17.10	19.00
1.1.10	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00
1.2.1	2.10	4.20	6.30	8.40	10.50	12.60	14.70	16.80	18.90	21.00
1.2.2	2.20	4.40	6.60	8.80	11.00	13.20	15.40	17.60	19.80	22.00
1.2.3	2.30	4.60	6.90	9.20	11.50	13.80	16.00	18.20	20.40	23.00
1.2.4	2.40	4.80	7.20	9.60	12.00	14.40	16.60	18.80	21.00	24.00
1.2.5	2.50	5.00	7.50	10.00	12.50	15.00	17.20	19.40	21.60	25.00
1.2.6	2.60	5.20	7.80	10.40	13.00	15.60	17.80	20.00	22.20	26.00
1.2.7	2.70	5.40	8.10	10.80	13.50	16.20	18.40	20.60	22.80	27.00
1.2.8	2.80	5.60	8.40	11.20	14.00	16.80	19.00	21.20	23.40	28.00
1.2.9	2.90	5.80	8.70	11.60	14.50	17.40	19.60	21.80	24.00	29.00
1.2.10	3.00	6.00	9.00	12.00	15.00	18.00	20.20	22.40	24.60	30.00
1.3.1	3.10	6.20	9.30	12.40	15.50	18.60	20.80	23.00	25.20	31.00
1.3.2	3.20	6.40	9.60	12.80	16.00	19.20	21.40	23.60	25.80	32.00
1.3.3	3.30	6.60	9.90	13.20	16.50	19.80	22.00	24.20	26.40	33.00
1.3.4	3.40	6.80	10.20	13.60	17.00	20.40	22.60	24.80	27.00	34.00
1.3.5	3.50	7.00	10.50	14.00	17.50	21.00	23.20	25.40	27.	

Art / DT

Create an Antarctic diorama using an old shoe box or other type of box you have lying around at home.



History

Research Lord Shaftesbury and complete the fact file about him.

[illegible]

How Can You Help?

If you feel you can help us with our project this term we would love to hear from you!

Websites to visit:

<http://www.sciencekids.co.nz/robots.html>

<https://www.factmonster.com/dk/encyclopedia/science-and-technology/robots>

<https://www.bbc.co.uk/education/clips/zjj7pv4>

Programming Robots to play football.

As always, please ask if you need any support completing any Project Homework.