



January 2020

Dear Parents
Year 3 Term 3 Home Learning Project Work

3 POWER Points:

Develop your creativity:

- ◆ Create a model of your base camp.
- ◆ Put together a rucksack of the 10 most important items for your survival.
- ◆ Design and create a shelter to protect you from the elements.

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This half term's POWER Project is:

'My survival guide'

HAND IN: Friday 8th February



2 POWER Points:

Explore your mathematical/entrepreneurial skills:

- ◆ You have £1000 to spend on supplies. How would you spend it? What supplies are vital for your survival?
- ◆ Create a table /graph to show temperatures in your locality over a year.
- ◆ Create a plan and a net of your tent/shelter.

2 POWER Points:

Extend your research skills:

- ◆ Create a fact file about your chosen 'Survival' location.
- ◆ Make a survival guide of Top Tips.
- ◆ Draw a map of your location-label key features that help and to avoid (DANGER!).

Choose projects to achieve your 5 POWER Points. You can add with your own ideas too!

Tick off what you have completed to achieve your points

1 POWER Point: Explore:

- ◆ Try this quiz: <http://www.animalplanet.com/tv-shows/i-shouldnt-be-alive/games-more/extreme-survival-quiz.htm>
- ◆ An outdoor space near you... Take photos, make dens, climb trees... BE SAFE!!

Maths Quest – Year 3

Extreme Survival



Number Challenges

Order a range of positive and negative numbers in the context of temperature (Celsius) e.g. 3, -6, 5, -4, -9, -2 etc.

What is the hottest temperature ever recorded in Celsius? Fahrenheit? Rounded to the nearest 10?

Calculation Challenges

Calculate temperature difference e.g. the difference between 4 and -3 or -2 and 6 etc.

Find the coldest temperature ever recorded and calculate the difference between that and today's temperature. Warmest temperature recorded and today's temperature?

Movement and Position Challenges

Locate Extreme Temperature Places such as the Arizona Desert or the North Pole. Locate places directly east or west or south of these places.

Examine a weather map and explore wind directions. Reinforce N, S, E and W and the 8 main compass points by comparing direction.

Measurement Challenges

If a human need about 2 litres of water a day to survive, how much do they need over a week? Fortnight? 6 months?

How many hours sleep do you get over the course of a week? Month? Year?

A sloth sleeps for about 20-22 hours a day. Find out for how many hours they sleep in a month.

How much do we weigh? Calculate weight using a variety of measures.

Fraction Challenges

Food Fractions. Pizza –what is bigger $\frac{1}{2}$ or $\frac{3}{6}$?

Where is most of the world's population? Northern Hemisphere or Southern Hemisphere?

Data Challenges

We need to sleep! What is the most common bedtime? Invite children to investigate and present their findings in a bar chart.

Shape Challenges

Design a shelter where the design is based on a: triangular based pyramid, cube, cuboid, square based pyramid. Reinforce properties of each shape.

What shape are igloos? Design an igloo.

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