



LIFE-CHANGING OUTDOOR EXPERIENCES

AGENDA: ADVENTURE CLUB SESSION

OBJECTIVES: KIDS

- Thinking critically
- Understanding maths in the real world
- Remember mathematics and how it works through tangible physical actions and powerful visual images
- Estimating and visualising ahead of time
- Creative problem solving
- Having fun
- Ability to build shelters and 3D shapes

OBJECTIVES: TEACHERS

- Meeting curriculum objectives through outdoor activities as opposed to having to do extra
 - Social Studies (how people lived in the past)
 - Technologies
 - Languages (recording data)
 - Health and Well-Being (activity and being outside)
 - Science (mechanics, ecology, physics)
 - Mathematics
- Pressure taken off teaching by learning how to have outdoor work be a regular method
- Learning new things in an enjoyable way, continuing personal development
- Having confidence and means to convince more sceptical teachers
- Having confidence with specific outdoor activities in order to lead activities directly with pupils



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CURRICULUM

Body Geometry - 15 minutes

Why we use the units of measure that we do.

Measuring Out 100 metres - 15 minutes

Learning to use multiples of 5 and 20s. Quicker and fewer chances of mistakes.

Pacing - 10 minutes

Number sequencing, scale

Mental calculations

Introduction to navigation (timing, speed and direction)

Building Shelter - 40 minutes

2D and 3D shapes

Practical applications for triangles and its strength

How mathematical system we have is interrelated and useful

Symmetry and Asymmetry

Shadow Stick - 10 minutes

Understanding earth rotation and putting maths into context

Additional Options - 15 minutes

Choice of playing with shapes for shelter or bow drill firemaking

Debrief and Discussion - 5 minutes