

# The Peace Maze

## **Education Pack**

Mathematics Key Stage 1 P1 & 2

# **Activity Workbook**

Name:

School:

Class:

Peace Maze
Castlewellan Forest Park
Castlewellan
Co. Down BT31 9BU
Northern Ireland

Phone No. 028 4377 8722 Fax No. 028 4377 1762 www.peacemaze.com www.forestserviceni.gov.uk



### Peace Maze

#### Mathematics - Key Stage 1

#### Introduction

The majority of Key Stage 1 pupils will be familiar with the concept of mazes, through puzzles in comics, the reading of anthologies of myths and legends and the playing of computer games.

The Peace Maze at Castlewellan Forest Park presents pupils with an opportunity of diverse mathematical experiences, which involve the pupils in different modes of learning and capture their imagination.

#### **Aims**

To provide an enjoyable way of doing maths and at the same time make maths more meaningful by making it more relevant to practical situations.

To incorporate within the exercises and activities in the Peace Maze maths package, attainment targets of the programmes of study of the Northern I reland Curriculum for Key Stage 1 Mathematics.

#### Peace Maze Key Stage 1 Mathematics Package consists of:

P1 & P2

P3 & P4

- 1. Peace Maze Activity
  Workbook (teacher guidance)
  - 1. Peace Maze Pre-visit Workbook
  - Workbook (teacher guidance) 2. Peace Maze Activity (visit) Workbook
    - 3. Peace Maze Post-visit Workbook

The P3 & P4 workbooks can be done individually, as a group exercise, or be completed step by step with teacher guidance. Each workbook should take approximately 30 minutes to complete. Many of the exercises in the workbooks can be adapted and/or expanded to suit the individual needs of the pupils. Teachers may select appropriate ability levels of sheets for their pupils to work on.

#### **Curriculum content**

Pupils are involved in different modes of learning including exploring, investigating, recording, doing and observing. These activities encourage pupils to develop their mental mathematics skills, their ability to tackle problems, as well as developing different approaches to solving problems.

The addition and multiplication of currency and measurement helps pupils to develop their mathematical processes through practical tasks in solving real-life problems. Opportunities are also presented to understand the operations of addition, subtraction, multiplication and division in problem solving.

The activities in the Peace Maze workbooks help to develop a pupil's self esteem, encourage creative thinking skills, decision making skills and present the challenge of spatial problems. They also give pupils an opportunity to formulate opinions and to assess and interpret situations.

#### Curriculum Advisory and Support Service (CASS)

Lyn Irwin and the Key Stage 1 & 2 Mathematics team of the Curriculum Advisory and Support Service of the South Eastern Education and Library Board provided continuous guidance, advice, encouragement and support during the development of the Peace Maze mathematics packages.

For further information contact Castlewellan Forest Park (ph.028 4377 2252)

## Welcome to the Peace Maze

• • •

The Peace Maze at Castlewellan Forest Park is the largest hedge maze in the world.

It was created to celebrate the signing of the Good Friday Agreement.

The design of the Peace Maze is based upon competition entries from over 4,000 school children throughout Northern I reland.

The Peace Maze is a symbol of the challenging road to peace for the people of Northern I reland.

• • •

## The Bell Maze

This is the Bell Maze.

The path is white and the hedge is black.

Can you find your way by path to the bell in the centre of the maze?



Mark your route with a coloured pen or pencil.

# Turn left at the entrance to the Peace Maze and find your way to the

# high Rickety Bridge



How many steps do you have to climb to get on to the <a href="high-right">high Rickety Bridge?</a> 6 8 10 (TICK YOUR ANSWERS)

Can you see the Rocky Road from the  $\underline{\text{high}}$  Rickety Bridge?  $\underline{\text{NO}}$ 

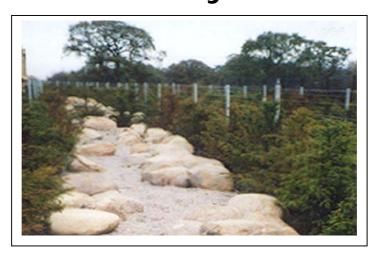
Now go to the **low** Rickety Bridge



What shape are the upright wooden posts used to build the <u>low</u> Rickety Bridge?

cube cuboid cylinder

# Go to the **The Rocky Road**



The Rocky Road has large stones of granite.

The granite comes from the Mourne Mountains.

Can you see the Mourne Mountains from the Rocky Road?

YES

NO

(TICK YOUR ANSWERS)

What colour are the granite stones?

BLACK GREY WHITE SPECKLED

What do the granite stones feel like?

HARD SOFT ROUGH SMOOTH

Walk along the Rocky Road; what word describes the sound your feet make on the gravel?

CRASH! CRUNCH! CRACKLE!

Can you walk quietly on the Rocky Road?

YES

NO

## The Peace Maze Hedge is made of 6,000

# Yew Trees

With your hand gently feel the leaves (needles) of a yew tree



Pick a word to describe what the needles of the yew tree feel like?

PRICKLY SOFT SMOOTH ROUGH

(TICK YOUR ANSWER)

What colour are the yew trees?

BROWN GREEN YELLOW ORANGE

(TICK YOUR ANSWER)

Is the Yew hedge;

taller than you?

YES

NO

(TICK YOUR ANSWER)

smaller than you?

YES

NO

Use your workbook to measure the height of the

Yew hedge.

How many workbooks tall is it?



### Find your way to the centre of the

## Peace Maze



Ring the Peace Bell once to let everyone know that you have reached the centre.

With your group join hands and form a circle around the Peace Bell.

Estimate how many people are in the circle?

10 20

30

40 (TICK YOUR ANSWERS)

Do you think the Peace Bell would fit through your classroom door? YES NO

Look out from the Peace Maze centre.

What is the tallest thing you can see?

MOUNTAINS A CHURCH STEEPLE

A FACTORY CHIMNEY TREES

What is the furthest away thing you can see?

THE IRISH SEA MOUNTAINS

FIELDS TREES SKY

## Your Maze

rodi ivid20
Now that you have visited the Peace Maze perhaps you would like to design your own maze.