



INTRODUCTION

WELCOME TO THORPE PARK MATHS!

We are delighted to present this exciting new resource, packed with content for Key Stage 3 and Key Stage 4 Maths students.

The resource has been developed with practising teachers to provide school groups visiting THORPE PARK with inspirational Maths work to complete before, during and after a visit to the attraction.

USING THE RESOURCE

This CD-Rom contains a number of student worksheets and supporting teacher sheets. All activities use THORPE PARK as a vehicle for learning. Our intention is to do as much of the preparation and planning for you as possible.

Designed to be flexible, the resource offers a range of activities and ideas so that you can select the topics and exercises that suit your students best. Learning objectives are laid out for all content and answers are given in the teacher notes.

"This resource is really well thought through and researched. It will inspire students of all abilities by showing how Maths applies to the exciting world of theme parks."

A. Tatsis, Maths Teacher,
Sharnbrook Upper School

CONTENTS

The resource is broken into two topic areas:

- Speed, distance, time
- Handling data

Each of these sections comprises a set of student worksheets and supporting teacher notes.

KEY STAGE 3 LINKS

National Curriculum

1.1 - a, b, c / 1.2 - a, b, c / 1.3 - b / 1.4 - a / 2.1 - a, b, c, d / 2.2 - d, e, f, g, h, k, l, o / 2.3 - a, b, d, e, f, g / 2.4 - a, b, c / 3.1 - a, b, c, f, g, / 3.3 - a, b

National Strategies - framework links

- Unit conversions.
- Use the equation $Speed = \frac{Distance}{Time}$
- Interpret a simple distance-time graph.
- Plot a simple distance-time graph.
- Decide which data to collect to answer a question.
- Design and use simple two-way tables.
- Construct graphs and diagrams to represent data, on paper and ICT, and identify key features.

KEY STAGE 4 LINKS

Exam boards

- AQA A
- AQA B
- EDEXCEL A
- EDEXCEL B
- OCR A
- OCR B
- OCR C