

**"Discover the Fascinating World of Year Length and Perimeter in the Autumn Term with White Rose Maths!"**

**Year 5**

**2020-21**

**Autumn Term-Block 5**

**Includes all revision small steps**

**Perimeter & Area**

Mr Keech's Classroom

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Mathematics is an essential subject that enables us to make sense of the world around us. It helps us solve problems, understand patterns and relationships, and develop critical thinking skills. White Rose Maths is a renowned educational platform that provides comprehensive resources for educators and students to enhance their mathematical understanding.

**Year Length and Perimeter**

In the autumn term, one of the exciting topics covered by White Rose Maths is year length and perimeter. This topic delves into the concepts of measuring time and distance, and how these measurements relate to the perimeter of various shapes.



## Year 4 LENGTH AND PERIMETER Autumn Term BLOCK 3 – White Rose Maths

by Eadweard Muybridge ([Print Replica] Kindle Edition)

★★★★☆ 4.4 out of 5

Language : English

Paperback : 600 pages

Item Weight : 2.33 pounds

Dimensions : 6.69 x 1.35 x 9.61 inches

File size : 1693 KB

Screen Reader : Supported

Print length : 26 pages



### Understanding Year Length

Year length refers to the time it takes for the Earth to complete one orbit around the Sun. It is the basis for our calendar and is divided into months and days. Exploring year length helps students develop an understanding of time, how it is measured, and the significance of different units of time.

### Exploring Perimeter

Perimeter, on the other hand, is a fundamental concept in geometry that measures the distance around the edge of a shape. It is an essential skill in real-life situations, such as measuring the length of a fence or the distance around a sports field. Understanding perimeter helps students apply mathematical concepts to practical scenarios.

## **White Rose Maths Autumn Term Block**

White Rose Maths provides a comprehensive autumn term block curriculum, which encompasses various topics, including year length and perimeter. The curriculum is designed to ensure a progressive learning journey for students, gradually building their mathematical knowledge and skills.

The autumn term block includes engaging activities, lesson plans, and assessments that are aligned with the national curriculum. These resources aim to make learning enjoyable and meaningful for students, fostering a deeper understanding of mathematical concepts.

### **Interactive and Practical Resources**

White Rose Maths offers a range of interactive resources to supplement the autumn term block, allowing students to actively engage with the concepts of year length and perimeter. These resources include virtual manipulatives, interactive games, and visual representations.

Using these resources, students can explore and visualize the concepts, making their learning experience more immersive and memorable. They can manipulate shapes, measure distances, and understand the relationship between year length and perimeter through hands-on activities.

### **Collaborative and Problem-solving Approach**

The autumn term block curriculum also encourages collaborative learning and problem-solving. Students are encouraged to work in teams to solve real-life math problems that involve year length and perimeter.

By working together, students develop teamwork skills and learn from each other's perspectives. They analyze situations, apply their knowledge, and develop

critical thinking skills to find solutions. This collaborative approach ensures that students not only understand the concepts but also learn how to apply them in meaningful ways.

## **Benefits of White Rose Maths**

White Rose Maths offers numerous benefits to both educators and students:

- **Comprehensive and aligned curriculum:** The autumn term block provides a clear curriculum map, ensuring that all essential topics are covered.
- **Engaging and interactive resources:** The platform offers a wide range of resources that make learning enjoyable and interactive.
- **Progressive learning journey:** The curriculum is designed to provide a progressive learning journey, building on previous knowledge and skills.
- **Real-life application:** White Rose Maths emphasizes the application of mathematical concepts in real-life scenarios, making learning meaningful.
- **Support for educators:** The platform provides comprehensive support for educators, including lesson plans, assessments, and professional development resources.

The autumn term is an exciting time to explore the concepts of year length and perimeter with White Rose Maths. This topic helps students develop a deeper understanding of time, distance, and shapes while fostering problem-solving skills and critical thinking. The comprehensive curriculum, interactive resources, and collaborative approach provided by White Rose Maths ensure an engaging and meaningful learning experience for both educators and students.

So, embark on this mathematical journey with White Rose Maths and discover the fascinating world of year length and perimeter in the autumn term!



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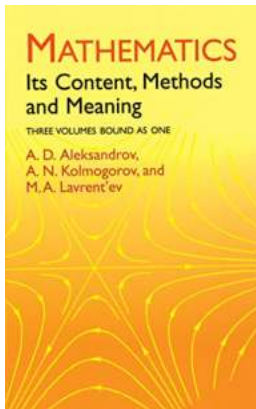
From White Rose Maths schemes for Year 4(Ages 8 to 9) Autumn Term BLOCK 3 – LENGTH AND PERIMETER. The activities are designed to meet the aims of the national curriculum for mathematics:

- become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language
- can solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.

Curriculum link for Year 4(Ages 8 to 9):

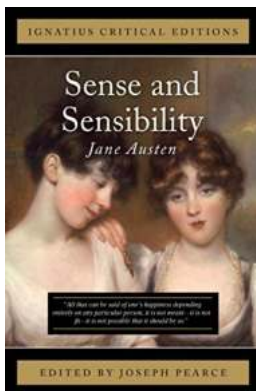
- Convert between different units of measure [for example, kilometre to metre; hour to minute]

- measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres
  - find the area of rectilinear shapes by counting squares
- estimate, compare and calculate different measures, including money in pounds and pence



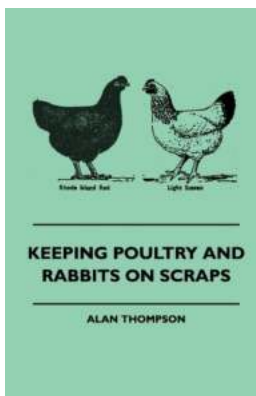
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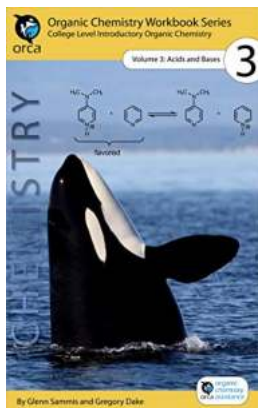
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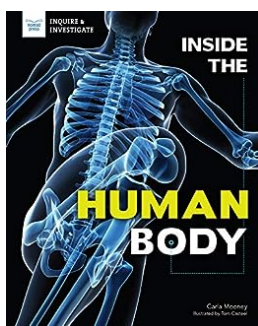
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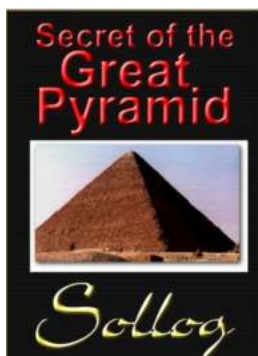
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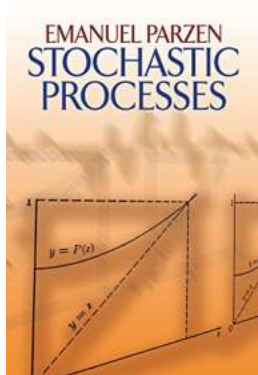
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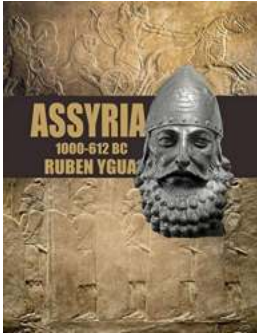
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