

Unlock the Secrets of Year Place Value Autumn Term Block White Rose Maths!

The Importance of Place Value in Mathematics

Year 4

2020-21

Autumn Term-Block 1

Includes all revision small steps

Place Value

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When it comes to understanding and excelling in mathematics, place value plays a crucial role. It forms the foundation upon which more advanced mathematical concepts are built. In this article, we explore the Year Place Value Autumn Term Block of the White Rose Maths curriculum, providing insightful information and helpful tips to help students grasp this essential mathematical concept.

The Year Place Value Autumn Term Block

The White Rose Maths curriculum is widely recognized for its comprehensive approach to teaching mathematics. The Year Place Value Autumn Term Block focuses specifically on solidifying students' understanding of place value. By breaking down numbers into different place values, students learn to comprehend the significance of digits in various positions, such as ones, tens, hundreds, and so on.



Year 2 PLACE VALUE Autumn Term BLOCK 1 - White Rose Maths

by Gerhard Nierhaus ([Print Replica] Kindle Edition)

★★★★☆ 4.5 out of 5

Language : English

File size : 1891 KB

Screen Reader : Supported

Print length : 297 pages

X-Ray for textbooks : Enabled



Exploring the Topics

Within the Year Place Value Autumn Term Block, students are introduced to various topics such as:

1. Counting and ordering numbers within 10
2. Comparing numbers within 10
3. Matching numeral and quantity within 10
4. Counting and ordering numbers within 20
5. Comparing numbers within 20

6. Matching numeral and quantity within 20

Each topic is carefully designed to build upon the previous one, ensuring a smooth progression that caters to students of different levels. The White Rose Maths curriculum encompasses a range of interactive activities, worksheets, and assessments to reinforce learning and aid in knowledge retention.

Interactive Learning with White Rose Maths

White Rose Maths understands that engaging students is key to effective learning. Through their online platform, students can access a wealth of resources that make learning place value enjoyable and interactive. From interactive games that encourage counting and ordering numbers to visually stimulating videos that explain the significance of place value, students will find a plethora of engaging materials.

Moreover, White Rose Maths offers downloadable worksheets that further reinforce learning. These worksheets not only cater to different skill levels but also provide an opportunity for independent practice outside of the classroom environment.

Troubleshooting Common Difficulties

While place value may seem straightforward to some, many students encounter difficulties when grasping this concept. Here are some common difficulties students may experience and helpful tips to overcome them:

Confusion with the Role of Zeroes

Students often struggle with understanding the significance of zeroes in numbers. To overcome this difficulty, teachers can introduce activities that highlight the

placeholder role of zeroes, emphasizing how they affect the overall value of a number.

Trouble with Ordering and Comparing Numbers

Ordering and comparing numbers is another area where students may face challenges. Introducing practical examples and real-life scenarios can help students grasp the concept more effectively. For instance, using money or objects of varying quantities can provide a tangible context for students to practice ordering and comparing numbers.

Difficulty with Expanded Notation

Expanded notation involves breaking down a number into its place value components. Some students may find this concept confusing. By using visual aids, such as charts or manipulatives, teachers can help students visualize the distribution of values across different place values, making it easier for them to understand the concept of expanded notation.

Mastering place value is essential for building a strong mathematical foundation. With the Year Place Value Autumn Term Block of the White Rose Maths curriculum, students can gain a deep understanding of place value through interactive learning and engaging activities. By troubleshooting common difficulties and providing helpful tips, students can overcome challenges and excel in this fundamental mathematical concept.

So, unlock the secrets of Year Place Value Autumn Term Block White Rose Maths, and watch your mathematical skills soar to new heights!

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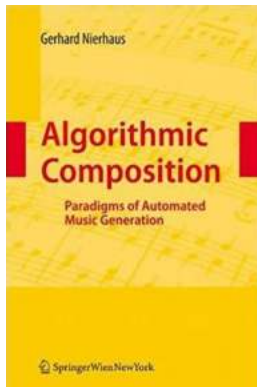
From White Rose Maths schemes for Year 2(Ages 6 to 7) Autumn Term BLOCK 1 – PLACE VALUE. The activities are designed to meet the aims of the national curriculum for mathematics:

- 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 2(Ages 6 to 7):

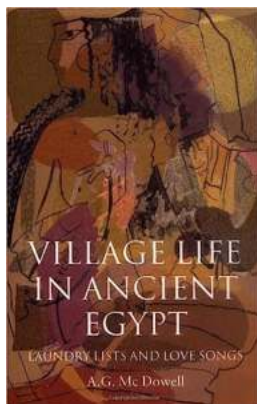
- count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and Backward
- recognise the place value of each digit in a two-digit number (tens, ones)
- identify, represent and estimate numbers using different representations, including the number line

- compare and order numbers from 0 up to 100; use <, > and = signs
 - read and write numbers to at least 100 in numerals and in word
- use place value and number facts to solve problems.



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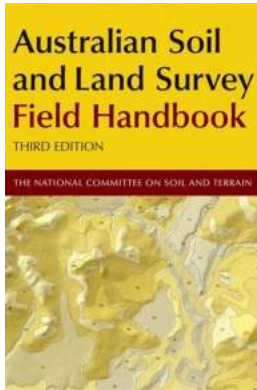
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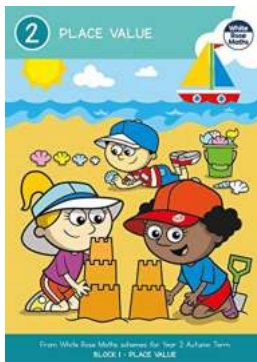
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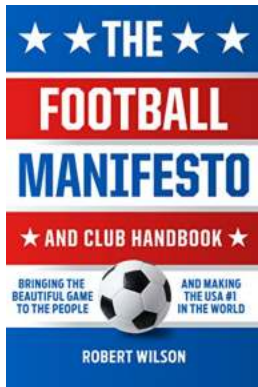
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