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Dear Parents,

Year 5 Curriculum Newsletter
Autumn 2

Welcome to a new term at Grange Primary School. We have lots of exciting learning ready for your children this term!

Our core literacy text is **The Boy at the Back of the Class**.

Book summary: When a new boy joins their class, a group of children try to befriend him. They soon learn that Ahmet is a refugee and has been separated from his family. None of the grown-ups seem to be able to help him, so the friends come up with a daring plan, embarking on an extraordinary adventure.

English	Maths
<p><u>Writing including Grammar</u></p> <ul style="list-style-type: none"> Use carefully chosen language to describe settings, characters and atmosphere. Evaluate and edit by proposing changes to vocabulary, grammar and punctuation. Proofread for spelling and punctuation errors. Linking ideas across paragraphs using adverbials of time, place and number or tense choices Identifying the audience for and purpose of the writing, selecting the appropriate form and using other similar writing as models for their own. Selecting appropriate grammar and vocabulary, understanding how such choices can change and enhance meaning. Using a wide range of devices to build cohesion within and across paragraphs Assessing the effectiveness of their own and others' writing <p><u>Reading</u></p> <ul style="list-style-type: none"> Infer a character's thoughts and motives from their actions and justify these inferences with evidence. Identify how language, structure and presentation contribute to meaning. Identify how dialogue contributes to characterisation. Give / explain the meaning of words in context Summarise main ideas from more than one paragraph <p>Making comparisons within and across books</p>	<p><u>Multiplication and division</u></p> <ul style="list-style-type: none"> Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3) Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes Multiply and divide numbers mentally drawing upon known facts <p><u>Fractions, decimals and percentages:</u></p> <ul style="list-style-type: none"> Know that 10 tenths are equivalent to 1 one, and that 1 is 10 times the size of 0.1. Know that 100 hundredths are equivalent to 1 one, and that 1 is 100 times the size of 0.01. Know that 10 hundredths are equivalent to 1 tenth, and that 0.1 is 10 times the size of 0.01. Compare and order fractions whose denominators are all multiples of the same number Identify, name and write equivalent fractions <p><u>Measures:</u></p> <ul style="list-style-type: none"> Solve problems involving converting between units of time Convert between different units of metric measure gram and kilogram Convert between units of measure, including using common decimals Use all four operations to solve problems involving measure (MASS) using decimal notation, including scaling <p><u>Geometry:</u></p> <ul style="list-style-type: none"> Distinguish between regular and irregular polygons based on reasoning about equal sides and angles Draw given angles, and measure them in degrees

<u>Science</u>	<u>Computing</u>
<p><u>Forces:</u> During this unit, children will explore, enquire and reflect on the following:</p> <ul style="list-style-type: none"> • How forces are measured? • What is friction? • What is gravity and why do objects fall? • What makes things move? • How can we slow down falling objects? • Does the shape of an object affect its movement in liquid • Do all heavy objects sink? 	<p><u>We are Cryptographers</u> During this unit, children will:</p> <ul style="list-style-type: none"> • Be familiar with semaphore and Morse Code • Understand the need for private information to be encrypted • Encrypt and decrypt messages in simple ciphers • Appreciate the need to use complex passwords and to keep them secure • Have some understanding of how encryption works on the web • Develop their understanding of online safety and responsible use of technology.
<u>RE</u>	<u>PSHE</u>
<p><u>How Christmas is celebrated around the world</u> This unit also allows children to look at the differences in customs and traditions associated with celebrating Christmas in different parts of the world. Children will be learning:</p> <ul style="list-style-type: none"> • What differences are there in accounts given by Luke and Matthew? • Which stories have developed from the 'real' Christmas story? • What happens during Advent? • How do Christmas traditions vary around the world? • What is Epiphany? How is Epiphany celebrated around the world? • What story or play can we create based on traditional Christmas themes? 	<p><u>Celebrating Differences</u> This half term the PSHE focus will be:</p> <ul style="list-style-type: none"> • Embracing our differences • Respect • Tolerance • Gratitude • Empathy • Developing a Growth Mindset • British Values
<u>Topic</u>	<u>Art/DT</u>
<p>This term, we will be focusing on Geography through the topic of Extreme Earth. We will learn:</p> <ul style="list-style-type: none"> • About the destructive powers of nature, from volcanoes and earthquakes to tsunamis and tornadoes. • How and why these natural phenomena occur • The ways in which they affect people and the environment. 	<p>This term in DT, we will explore Fashion & Textiles. We will learn:</p> <ul style="list-style-type: none"> • To investigate and analyse items made using textiles: the materials used and how they are made • To explore some ways in which textiles are joined and decorated • To design an item made using textiles and draw pattern pieces • To use pattern pieces to measure, mark and cut fabric; to sew design elements according to a design. • To join fabric pieces by hand • To sew hems on an item made using textiles; to add design details
<u>Important Information</u>	
<p>PE – Tuesday and Friday are PE days. Please ensure your child has their full kit each week. PLEASE NOTE:</p> <ul style="list-style-type: none"> • Homework: Homework is given out on Tuesday and due in the following Monday. There will be a playtime detention each Tuesday if homework is not completed. • Spelling: Weekly spellings are handed out with homework and tested every Friday. • Maths: Does your child know their times tables? Rehearse them using their multiplication tables chart. • Reading: Please listen to your child read daily to help improve their fluency and accuracy and ensure that they complete their reading journal (the green booklet). 	

If you would like to discuss any matters concerning your child, please do not hesitate to get in touch

Ms. V. Anderson