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**Half term plan 2021-22**

**Teacher: M Wheeldon/ E O’Brien Year group: 4 Topic Rise of the Robots Date: Autumn 2**

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| Literacy ObjectivesWrite StuffThe Water Cycle – Non fiction - Factual TourTo write effective sentences for a factual tourCharlie and the Chocolate Factory – Roald Dahl:Text type: NarrativeGuided Read Rainbow Readers Text: The Dragon in the LibraryFriday Grammar: VerbsWk 1: Noun phrases Wk 2: Tricky pronouns/determinersWk 3: What are verbs? Simon SaysWk 4: Alternative verbs - Alphabet Action raceWk 5: Personification game – noun/verbWk 6: Prefixes which alter verb meaningWk 7: Adverbs | Numeracy Objectives EOB MW**Year 4 - Autumn Block 2 - Addition & Subtraction**Recap Add two 3-digit numbers - crossing 10 or 100Add two 4-digit numbers - one exchange Add two 4-digit numbers - more than one exchangeRecap Subtract a 3-digit number from a 3-digit number - no exchangeSubtract two 4-digit numbers - no exchangeRecap Subtract a 3-digit number from a 3-digit number – exchangeSubtract two 4-digit numbers - one exchangeSubtract two 4-digit numbers - more than one exchangeEfficient subtraction Estimate answersChecking strategies  **Autumn Block 3 - Length & Perimeter**Recap Equivalent lengths - m and cmRecap Equivalent lengths - mm and cmKilometresRecap Add lengthsRecap Subtract lengths Recap Measure perimeterPerimeter on a gridPerimeter of a rectanglePerimeter of rectilinear shapes**Autumn Block 4 - Multiplication & Division**Multiply by 10Multiply by 100Divide by 10Divide by 100Multiply by 1 and 0Divide by 1 and itselfRecap Multiply and divide by 3Recap The 3 times-table |
| Science ObjectivesCollins Connect: Switched OnWHAT MAKES IT WORK?CAN YOU LIGHT THE BULB?HOW DOES A CIRCUIT WORK?To explain, using a model, how an electrical circuit worksWHY DOESN’T IT WORK?To identify and correct problems with circuitsWHAT DOES A SWITCH DO?To describe what a switch does and how it worksWHAT CAN WE USE INSTEAD OF WIRES?To sort materials by testing for a property that makes them suited to replace a wire in a circuit | Computing ICT objectives:Creating media – Audio editingDigital recordingRecording soundsCreating a podcastEditing digital recordingsCombining audio Evaluating podcasts |
| Art objectives* to improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay]
 | P.E objectives SwimmingNetball |
| History | Geography  |
| French (KS2)My HomeSaying where they liveIdentifying a variety of rooms and types of furnitureSaying what there is in the kitchen Describing their daily routine | DT: * use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups
* investigate and analyse a range of existing products
* evaluate their ideas and products against their own design criteria and consider the views of others to improve their work
* understand how key events and individuals in design and technology have helped shape the world
* understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages]
* understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors]
* Apply their understanding of computing to program, monitor and control their products
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| Music | R.E Christianity 4.2 Christmas. Exploring the symbolism of light (4hrs)Hanukkah (The Jewish Festival of Light) Non-Christian Faith Unit (2hrs) |
| PHSCECore Theme 2 Unit 3 Bullying LESSON 1: Reactions FrustrationCore Theme 2 Unit 3 Bullying LESSON 2: Self-Worth I’m a Marvel!Core Theme 2 Unit 3 Bullying LESSON 3: Persistence and Resilience Don’t Give UpCore Theme 2 Unit 3 Bullying LESSON 4: Negative Persistence Over and OverCore Theme 1 Unit 5 Emotions LESSON 5: Feelings Overreacting | Dance/ Drama  |
| Visits/visitors |   |