

**Grade 4**

**Revised 2023 – 2024 Mathematics**

**Annual Teaching Plan**

**&**

**Curriculum Coverage**

**Term 3 of 2023**

**GRADE 4 – TERM 3**

| **PRE-KNOWLEDGE** | **TOPIC** | **CONCEPTS AND SKILLS** | **DBE**  **Workbook**  **Page**  **Reference** | **DATE**  **COMPLETED** | **COMMENTS ON**   * **Feedback and Quality** * **Number of daily activities (Classwork, Homework & informal tests)** * **Cognitive levels covered** | **CURRICULUM COVERAGE** |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Formal Assessment Task** | **Project**  **Note:** The project must cover a combination of topics from Term 1 - 3 and must be completed before the end of Term 3 |  |  |  |  |
| * Use and name unitary and non-unitary fractions in familiar contexts including halves, quarters, eighths, thirds, sixths, fifths * Recognise fractions in diagrammatic form * Recognise that two halves or three thirds make one whole and that 1 half and 2 quarters are equivalent * Write fractions as 1 half, 2 thirds | **COMMON FRACTIONS**  **(21 HOURS)** | **Lessons 1 – 3**   * **Describing and ordering fractions**   Compare and order common fractions of different dominators (halves, thirds, quarters, fifths, sixths, sevenths, eighths) | **DBE BK 1**  No.36  (PP.102&103  No.37  (pp’104 &105) |  |  |  |
| **Lessons 4 – 6**   * **Describing and ordering fractions**   Describe and compare common fractions in diagram form. | **DBE BK1**  No34  (pp.98&99)  No.35  (pp.100 &101) |  |
| **Lessons 7 – 9**   * **Calculations with fractions**   Recognize, describe and use the equivalence of division and fractions | **DBE BK 1**  No.38  (pp.106&107) |  |
| **Lessons 10 – 13**   * **Calculations with fractions**   Addition of common fractions with the same denominators. | **DBE BK 1**  No.39  (pp.108&109) |  |
| **Lessons 14 – 17**   * **Solving problems**   Solve problems in contexts involving fractions, including grouping and equal sharing | **DBE BK 2**  No.122  (pp.136&137)  No.123  (pp.138&139) |  |
| **Lessons 18 – 21**   * **Equivalent forms**   Recognize and use equivalent forms of common fractions (denominators which are multiples of each other) | **DBE BK 2**  No.120  (pp.132) |  |
| * Read dates on calendars * Place birthdays, religious festivals, public holidays, historical events, school events on a calendar * Use calendars to calculate and describe lengths of time in days or weeks or months including * converting between days and weeks * converting between weeks and months * Use clocks to calculate length of time in hours, half hours and quarter hour | **TIME**  **(9 HOURS)** | **Lessons 1 – 4**   * **Reading time and time instruments**   Read, tell and write time in 12-hour and 24-hour formats on both analogue and digital instruments in:  ‒ hours  ‒ minutes  ‒ seconds  Instruments include clocks and watches   * Reading calendars | **DBE BK 1**  No.18a  (pp.50-53) |  |  |  |
| **Lessons 5 – 9**   * **Calculations and problem-solving time include:** * problems in contexts involving time * calculation of the number of days between any two dates within the same or consecutive years * calculation of time intervals where time is given in minutes or hours only | **DBE BK 1**  No.19a  (pp.55-57) |  |
| * Estimate, measure, compare, order and record length using non-standard measures e.g. hand spans, paces, pencil lengths, counters, etc. * Describe the length of objects by counting and stating the length in informal units | **LENGTH**  **(6 HOURS)** | **Lessons 1 – 3**   * **Practical measuring**   Estimate and practically measure 2-D shapes and 3-D objects using measuring instruments such as:  ‒ rulers  ‒ metre sticks  ‒ tape measures  ‒ trundle wheels   * Record, compare and order lengths of shapes and objects in millimetres (mm), centimetres (cm), metres (m), kilometres | **DBE BK 1**  No. R11  (pp.xxiv)  No40 |  |  |  |
| **Lesson 4**  **Solving problems**   * Solve problems in contexts involving length * Convert between   ‒ millimetres (mm) and centimetres (cm),  ‒ centimetres (cm) and metres (m)  ‒ metres (m) and kilometres (km)  Conversions limited to whole numbers and common fractions | **DBE BK 1**  No.42  (pp.114-115) |  |
| **Lessons 5 – 6**   * **Solving problems**   Solve problems in contexts involving length  Convert between  ‒ millimetres (mm) and centimetres (cm),  ‒ centimetres (cm) and metres (m)  ‒ metres (m) and kilometres (km)  Conversions limited to whole numbers and common fractions | **DBE BK 1**  No.42  (pp.114-115) |  |
| * Identify Circles, Triangles, Squares and Rectangles * Describe, sort and compare 2-D shapes in terms of:   ‒ shape  ‒ straight sides  ‒ round sides | **PROPERTIES OF 2D SHAPES**  **(12 HOURS)** | **Lessons 1 – 9**   * **Range of shapes**   Recognize, visualize and name 2-D shapes in the environment and geometric setting, focusing on   * regular and irregular polygons - triangles, * squares, rectangles, other quadrilaterals, pentagons, hexagons, heptagons * Circles | **DBE BK 1**  No.R14  (pp.xxx)  No.22  (pp.64) |  |  |  |
| **Lessons 10 – 11**   * **Characteristics of shapes**   Describe, sort and compare 2-D shapes in terms of:  ‒ straight and curved sides  ‒ number of sides | **DBE BK 1**  No.22b  (pp.67)  BK 2  No.84  (pp.46-50) |  |
| **Lesson 12**   * **Further activities**   Draw 2-D shapes on grid paper | **DBE BK 2**  No.85b  (pp.51) |  |
| **Revision**  **(6 HOURS)** | | **Revision** |  |  |  |  |
| **Assessment**  **(4 hours)** | | **FORMAL ASSESSMENT TASK: TEST**  **All Term 3 topics** |  |  |  |  |

**Comments:**

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**SIGNATURES:**

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| **DESIGNATION** | **OFFICIAL** | **TEACHER** | **DEPARTMENTAL HEAD** | **DATE** |
| **SURNAME & INITIALS** |  |  |  |  |
| **SIGNATURE** |  |  |  |  |

**SCHOOL STAMP**