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| **GRADE R ANNUAL TEACHING PLANS TERM 3** **MATHEMATICS** |
| **CYCLE** | **WEEK** | **DATE** | **CONTENT AREA** | **CONTENT/ SKILLS/ ACTIVITIES** | **POSSIBLE CURRICULUM COVERAGE** | **ACTUAL CURRICULUM COVERAGE** | **POSSIBLE SBA COMPLETION** | **ACTUAL SBA COMPLETION** | **ACTUAL DATE OF COMPLETION** |
|  |  |  |  | ***In Grade R perceptual work is extremely important because it underpins and prepares the foundations for future learning. Make sure sufficient time is spent building these perceptual skills daily and throughout the course of the school year.******The Perceptual development of the child forms the basis for reading, mathematics, science and writing.*** |  |  |  |  |  |
|  |  |  | **Theme: Winter****Topic: Weather, Water, Healthy environment** |
| 5 | 1 |  | Number operations and RelationshipsPatterns, Functions and AlgebraSpace and Shape (Geometry) | **Number Operations and Relationships*** Count objects: More, less, few and same
* Knows the number symbol and recognize the number names
* Describe, compare and order numbers

**Patterns*** Copies and extends patterns
* Pegboards

**Space and Shape (Geometry)*** Recognise Symmetry
 | 2.5% |  | 0% |  |  |
| 5 | 1 |  | MeasurementData Handling | **Measurement*** Time: Daily programme, Weather chart, Days of the week, Month of the year, Season, Birthday chart. They sequence the routine
* Length

**Data Handling*** Compare and sort
 |  |  |  |  |  |
| 5 | 2/3 |  | **Theme: Animals****Topic: Water** |
| 5 | 2 |  | Number Operations and RelationshipsPatterns, Functions and AlgebraSpace and Shape (Geometry)MeasurementData Handling | **Number Operations and Relationships*** Count objects
* Describes, compares and orders numbers: few and many, more and less
* Addition and Subtraction of numbers
* Solves problems

**Patterns, Functions and Algebra*** Geometric patterns (pegboards, threading)

**Space and Shape (Geometry)*** Describe, sort and compare 2D shapes and 3D objects according to an attribute
* 2D shape
* Position, orientation and views
* Puzzle

**Measurement*** Time: Daily programme, Weather chart, Days of the week, Month of the year, Season, Birthday chart
* Measuring: Mass
* Measuring: Length

**Data Handling*** Collect and sort objects
 | 2.5 % |  | 0% |  |  |
| 5 | 3 |  | Number Operations and RelationshipsPatterns, Functions and AlgebraSpace and Shape (Geometry)MeasurementData Handling | **Number Operations and Relationships*** Count objects
* Describe, compare and order number
* Number symbols and number names
* Problem solving techniques

**Patterns, Functions and Algebra*** Geometric patterns (pegboards, threading)

**Space and Shape (Geometry)*** 3D objects
* Position, orientation and views
* Symmetry

**Measurement*** Time: Daily programme, Weather chart, Days of the week, Month of the year, Season, Birthday chart
* Length

**Data Handling*** Collect, sort and organize information from collection of objects
 | 2.5 % |  |  |  |  |
|  |  |  |  | **Assessment** **Activity 1: Space and shape (Geometry) (Animals Day 6) Learners count objects. Work in the block corner.*** Builds from a given construction example
* Copies a construction from a design or picture cards
* Count forwards

**Assessment form:** Practical**Assessment tool:** Rubric 1**Activity 2: Pattern, Functions and Algebra (Animals Day 7) Learners count backwards. They work with different patterns.*** Count backwards
* Copies, extends and creates own patterns using pictures

**Assessment form:** Practical**Assessment tool:** Rubric 2**The following is assessed on an ongoing basis*** Estimates and rote counts (Number Operations and Relationships) (Rubric 13)
* Count forwards (Rubric 14)
* Count backwards (Rubric 15)
* Builds at least 18 piece puzzle (Space and Shape: Geometry)
* Executes instructions on pegboard (Space and Shape: Geometry) (Rubric16)
* Directionality: Knows directions on the arrow chart (Space and Shape: Geometry) (Rubric 17)
 |  |  | 4.0 % |  |  |
| 5 | 4/5 |  | **Theme: Communication** |
| 5 | 4 |  | Number Operations and RelationshipsPatterns, Functions and AlgebraSpace and Shape (Geometry)MeasurementData Handling | **Number Operations and Relationships*** Count objects
* Number symbols and number names
* Addition and subtraction
* Solve problems using concrete objects

**Patterns, Functions and Algebra*** Geometric patterns (pegboards, threading)

**Space and Shape (Geometry)*** Position, orientation and views
* 3D objects
* 2D shapes: tracing
* Puzzles
* Size: big and small

**Measurement*** Time: Daily programme, Weather chart, Days of the week, Month of the year, Season, Birthday chart
* Size: big and small

**Data Handling*** Collect and sort objects
 | 2.5 % |  |  |  |  |
| 3 | 5 |  | Number Operations and RelationshipsPatterns, Functions and AlgebraSpace and Shape (Geometry)MeasurementData Handling | **Number Operations and Relationships*** Count objects
* Count forwards and backwards
* Describe, compare and order number
* Number symbols and number names
* One to one correspondence
* Addition and subtraction

**Patterns, Functions and Algebra*** Geometric patterns (pegboards, threading)

**Space and Shape (Geometry)*** Position, orientation and views
* Symmetry
* 3D objects
* 2D shapes: tracing shapes
* Puzzles

**Measurement*** Time: Daily programme, Weather chart, Days of the week, Month of the year, Season, Birthday chart
* Work with capacity

**Data Handling*** Collect and sort objects
* Represent sorted objects
* Discuss and report on sorted collection of objects
 | 2.5 % |  |  |  |  |
| 5 | 4/5 |  |  | **Assessment** **Activity 3: Rubric 3: Numbers, Operations and Relationships (Communication Day 5) Learners count forwards up to 10. Learners match the number names with the symbols and pictures.** * Recognises number in a familiar context
* Identifies number pictures and dot cards
* Knows the number symbols
* Recognise the number names

**Assessment form:** Observation**Assessment tool:** Rubric 3**Activity 4: Rubric 4: Numbers, Operations and Relationships (Communication Day 7) Learners solve problems with more and less*** Distinguishes between more, less and equal
* Knows which number of claps is more and less
* Count forwards

**Assessment form:** Observation, Practical**Assessment tool:** Rubric 4**Activity 5: Rubric 5: Space and shape (Geometry) (Communication Day 8) Learners work with symmetry*** Recognise line of symmetry

**Assessment form:** Observation**Assessment tool:** Rubric 5**Activity 6: Rubric 6: Data Handling (Communication Day 9) Learners sort objects** * Able to collect, sort, draw, read and analyse objects according to one attribute

**Assessment form:** Observation, Practical**Assessment tool:** Rubric 6**The following is assessed on an ongoing basis*** Estimates and rote counts (Number Operations and Relationships)
* Builds at least 18 piece puzzle (Space and Shape: Geometry)
* Executes instructions on pegboard (Space and Shape: Geometry)
* Directionality: Knows directions on the arrow chart (Space and Shape: Geometry)
 |  |  | 8.0 % |  |  |
| 6 | 6/7 |  | **Theme: People who help us****Topic: Jobs people do** |
| 6 | 6 |  | Number Operations and RelationshipsPatterns, Functions and AlgebraSpace and Shape (Geometry)MeasurementData Handling | **Number Operations and Relationships*** Count objects
* Describe, compare and order number
* Number symbols and number names
* Problem solving techniques
* Grouping and sharing

**Patterns, Functions and Algebra*** Geometric patterns (pegboards, threading)

**Space and Shape (Geometry)*** Position, orientation and views
* 3D objects
* 2D shapes
* Puzzles

**Measurement*** Time: Daily programme, Weather chart, Days of the week, Month of the year, Season, Birthday chart
* Capacity/ Volume/ Mass

**Data Handling**Collect and sort objects | 2.5 % |  |  |  |  |
| 6 | 7 |  | Number Operations and RelationshipsPatterns, Functions and AlgebraSpace and Shape (Geometry)MeasurementData Handling | **Number Operations and Relationships*** Count objects
* Describe, compare and order number
* Number symbols and number name
* Addition and subtraction
* Problem solving techniques
* Money
* Grouping and sharing

**Patterns, Functions and Algebra*** Geometric patterns (pegboards, threading)

**Space and Shape (Geometry)*** Position, orientation and views
* 3D objects
* 2D shapes
* Puzzles

**Measurement*** Time: Daily programme, Weather chart, Days of the week, Month of the year, Season, Birthday chart
* Capacity/ Volume, Length

**Data Handling*** Collect and sort objects
* Represent sorted collection of objects
* Discuss and report on collection of objects
 | 2.5 % |  |  |  |  |
| 6 | 6/7 |  |  | **Assessment** **Activity 7: Rubric7: Number Operations and Relationships (People who help us Day 6) Learners solve problems*** Uses concrete apparatus
* Explains own thinking in words and through drawings or concrete objects
* Orally solves addition and subtraction problems

**Assessment form:** Practical**Assessment tool:** Rubric 7**Activity 8: Rubric 8: Measurement (People who help us Day 7) Learners work with capacity*** Understands the concept of empty, full, more than, less than

**Assessment form:** Practical**Assessment tool:** Rubric 8**Activity 9: Space and Shape (Geometry) (People who help us Day 10) Learners identify shapes.** * Recognises, identifies and names shapes
* Understands form constancy of shapes

**Assessment form:** Practical**Assessment tool:** Checklist**The following is assessed on an ongoing basis*** Estimates and rote counts (Number Operations and Relationships)
* Builds at least 18 piece puzzle (Space and Shape: Geometry)
* Executes instructions on pegboard (Space and Shape: Geometry)
* Directionality: Knows directions on the arrow chart (Space and Shape: Geometry)
 |  |  | 5.5 % |  |  |
| 6 | 8/9 |  | **Theme: Farming****Topic: Topic: Dairy Farming, Fruits, Vegetable, Wool Farming** |
| 6 | 8 |  | Number Operations and RelationshipsPatterns, Functions and AlgebraSpace and Shape (Geometry)MeasurementData Handling | **Number Operations and Relationships*** Count objects
* Describe, compare and order number
* Number symbols and number names
* Practical addition and subtraction
* Solve problems
* Money

**Patterns Functions and Algebra*** Geometric patterns (pegboards, threading)

**Space and Shape (Geometry)*** Symmetry
* Position, orientation and views
* 3D objects
* 2D shapes
* Puzzles

**Measurement*** Time: Daily programme, Weather chart, Days of the week, Month of the year, Season, Birthday chart
* Mass
* Length

**Data Handling*** Collect and sort object
 | 2.5 % |  |  |  |  |
| 6 | 8 |  |  | **Assessment****Activity 10: Rubric 10: Measurement (Farming Day 5) Learners make a tower and measure how long it is.*** Estimates and measures the length of different objects.

**Assessment form:** Observation, Practical**Assessment tool:** Checklist, Rubric 10**The following is assessed on an ongoing basis*** Estimates and rote counts (Number Operations and Relationships)
* Builds at least 18 piece puzzle (Space and Shape: Geometry)
* Executes instructions on pegboard (Space and Shape: Geometry)
* Directionality: Knows directions on the arrow chart (Space and Shape: Geometry)
 |  |  | 2.0 % |  |  |
| 6 | 9 |  | Number Operations and RelationshipsPatterns, Functions and AlgebraSpace and Shape (Geometry)MeasurementData Handling | **Number Operations and Relationships*** Count objects
* Describe, compare and order number
* Number symbols and number names
* Addition and Subtraction
* Solving Problems

**Patterns, Functions and Algebra*** Geometric patterns (pegboards, threading)

**Space and Shape (Geometry)*** Position, orientation and views
* Symmetry
* 3D objects
* 2D shapes
* Puzzles

**Measurement*** Time: Daily programme, Weather chart, Days of the week, Month of the year, Season, Birthday chart
* Mass
* Capacity
* Length

**Data Handling*** Collect and sort objects
* Represent sorted collection of objects
* Discuss and report on sorted collection of objects
 | 2.5 % |  |  |  |  |
| 6 | 9 |  |  | **Assessment****Activity 11: Rubric 11: Measurement (Farming Day 8) Learners identify the animals on the bank note. They work with mass.*** Understands the concepts of heavy, light, lighter, heavier, lightest and heaviest
* Recognises the colour as well as the different animals on the South African note

**Assessment form:** Observation, Practical**Assessment tool:** Rubric11**Activity 12: Space and Shape (Geometry)** **(Farming Day 9) Learners work with positional relations.** * Knows the position of two or more objects in relations to each other – in front of, behind, on top, under, bottom, below, next to, middle, left and right

**Assessment form:** Practical, Observation**Assessment tool:** Rubric12**The following is assessed on an ongoing basis*** Estimates and rote counts (Number Operations and Relationships)
* Builds at least 18 piece puzzle (Space and Shape: Geometry)
* Executes instructions on pegboard (Space and Shape: Geometry)
* Directionality: Knows directions on the arrow chart (Space and Shape: Geometry)
 |  |  | 5.5 % |  |  |
| 6 | 10 |  | **Theme: Spring** |
| 6 | 10 |  | Number Operations and RelationshipsPatterns, Functions and AlgebraSpace and Shape (Geometry) | Number Operations and Relationships* Count objects
* Describe, compare and order number
* Number symbols and number names
* Addition and Subtraction
* Solving Problems

Patterns, Functions and Algebra* Geometric patterns (pegboards, threading)

Space and Shape (Geometry)* Position, orientation and views
* Symmetry
* 3D objects
* 2D shapes
* Puzzles
 | 2.5 % |  |  |  |  |
| 6 | 10 |  | MeasurementData Handling | Measurement* Time: Daily programme, Weather chart, Days of the week, Month of the year, Season, Birthday chart
* Mass
* Capacity

Data Handling* Collect and sort objects
* Represent sorted collection of objects

Discuss and report on sorted collection of objects |  |  |  |  |  |
|  |  |  |  |  | 25% |  | 25% |  |  |