******High View Primary Learning Centre**

Mathematics Curriculum

Our aim is for the pupils to have a comprehensive and cohesive mathematics education so that they leave High View as competent mathematicians. This will be achieved by using the DFE’s Ready to Progress Criteria as the foundations before moving to the National Curriculum objectives. Where the RTP (Ready to Progress) meets the NC (National Curriculum) objectives, these will be indicated with the reference numbers in the objectives. All objectives will be covered by the time the children leave Year 6 ensuring that they are fully prepared to continue their education.

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|  | FS1 | FS2 | Year1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| Autumn | Number rhymes and songsCounting, ordinality and cardinalityShape SizePattern NumeralsCapacityPositional language‘More’  | Counting, ordinality and cardinalitySubitisingCompositionAddition and subtractionOne more/one less than ShapeLengthWeight  | Place ValueAddition and SubtractionShape | Place ValueAddition and subtractionMoneyMultiplication and division | Place valueAddition and subtractionMultiplication and division | Place ValueAddition and subtractionPerimeterMultiplication and division | Place valueAddition and subtractionStatisticsMultiplication and divisionPerimeter and area | Place value4 operationsFractionsPosition and direction |
| Spring | Number rhymes and songsCounting, ordinality and cardinalityShapeSizeCapacityMore and lessMoney Days of the weekLengthPositional languagePattern | Counting, ordinality and cardinalitySubitisingCompositionAddition and subtractionOne more/one less thanShapeCapacityMoneyPatternEstimation | Addition and subtractionPlace ValueLength, heightWeight and volume | Multiplication and divisionShapeStatisticsFractionsLength and height | Multiplication and divisionStatisticsMoneyLength and perimeterfractions | Multiplication and divisionAreaFractionsDecimals | Multiplication and divisionFractionsDecimals and percentages | DecimalsPercentagesAlgebraMeasurementPerimeter area and volumeRatio |
| Summer | Number rhymes and songsCounting, ordinality and cardinalityShapeSequencing eventsCalculatingSeparatingMore than / fewer tham Sorting and classifyingRoutes and locationsWeight  | Counting, ordinality and cardinalitySubitisingCompositionAddition and subtractionMoneySharingDoublingHalvingCapacity | Multiplication and divisionFractionsPosition and directionPlace valueMoneytime | Position and directionProblem solvingTimeMeasurementinvestigations | FractionsTimeShapeMass and capacity | DecimalsMoney/TimeStatisticsShapePosition and direction | DecimalsShapePosition and directionConverting unitsVolume | ShapeProblem solvingStatisticsinvestigations |

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| **INTERPRETING, CONSTRUCTING AND PRESENTING DATA** |
| EYFS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
|  |  | interpret and construct simple pictograms, tally charts, block diagrams and simple tables  | interpret and present data using bar charts, pictograms and tables  | interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs  | complete, read and interpret information in tables, including timetables | interpret and construct pie charts and line graphs and use these to solve problems  |
|  |  | ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity |  |  |  |  |
|  |  | ask and answer questions about totalling and comparing categorical data |  |  |  |  |
| **SOLVING PROBLEMS** |
|  |  |  | solve one-step and two-step questions [e.g. ‘How many more?’ and ‘How many fewer?’] using information presented in scaled bar charts and pictograms and tables. | solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs. | solve comparison, sum and difference problems using information presented in a line graph  | calculate and interpret the mean as an average |

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| VOCABULARYThese are the words that pupils will know, use and understand.The pupils will know, use and understand the words in their current year group and the prior years.  |
| EYFS/Development matters/ Previous knowledge | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| Count, sort, group, set, list, | , table, vote | , tally block graph, pictogram, label, title, most popular, most common, least popular, least common represent, group | chart, bar chart, frequency table, Carroll diagram, Venn, diagram axis, axes, diagram, | survey, questionnaire, data | graph, bar line chart maximum/minimum value, outcome database line | mean (mode, median, range as estimates pie chart for this), statistics, distribution |