## 䭒風羄閴乌 <br> TROCBRess

## Measurement

－Compare and estimate lengths，heights，mass， volume／capacity
－Record findings using the correct symbols＜＞
－Compare and sequence different intervals of time and know how many mins in an hour／ hours in a day etc
－Use the clockface to count in short time in－ tervals，demonstrate understanding of differ ent time intervals and periods of time using the hands of the clock（quarter to／past）
－Select efficient methods for measurement of length（ $\mathrm{cm}, \mathrm{m}$ ），weight，time，temperature and volume．
－Use measuring tools effectively to ensure accuracy of measurement and evaluation against estimation

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－Begin to use mathematical vocabulary such as longer，shorter，larger，heavier，lighter when exploring different items
－Explore items with different lengths，heights， weights etc to practise the use of mathemati－ cal vocabulary／reasoning when comparing／ classifying different objects £ ey（giving of change）

Key：
Counting
Reading scales \＆Writing quantities
Identifying，Representing \＆Estimating Numbers／ amounts

Comparing when measuring with accuracy
Problem solving \＆Reasoning
Mental arithmetic and known facts
Practical exploration
－Find different combinations of coins that generate the same amount
－Know the relationship／value between $p$ and
－In a practical sense，solve simple addition and subtraction problems that involve mon－
－Find the area of rectangular shapes by counting squares
－Read and write the time in 12 and 24 hour； convert between the two
－Use and apply knowledge of addition and subtraction when comparing lengths／ heights／weight／volume money and time
－Develop fluency in terms of vocabulary to use when explaining and communicating ideas／conjecturing
－Begin to identify different coin and note denominations for money
－Problem solve using money and apply cal－ culation methods accordingly

## 䁂風風

－Compare different representations of length／ height and apply correct vocabulary
－Compare different weight，mass，capacity，volume and measure using standard／non－standard units
－Estimate and compare a range of different measures；calculate within the given units of measure（in all contexts）
－Measure and calculate the perimeter of rectangular shapes（ $\mathrm{cm} / \mathrm{m}$ ）
－Convert m to km ，mins to hours and vice versa
－Solve problems in context of measure （combine time and distance into one along with other similar e．gs）
－Know days in a month（inc．leap year） weeks in a year，years in a decade／century


## 相區風留 3

－Measure the time in terms of hours／mins
－Count in 5 minute intervals ；use the clock－ face to demonstrate understanding of an hour／half－past（draw hands）
－Sequence events in the day assigning a time and order to the school day．Use vocabu－ lary；before，after
－Develop understanding of larger time inter－ vals；days，weeks，months and years
－Add and subtract money（p and $£$ ）．Give change
－Read the time with accuracy，demon－ strate on a clockface
－Know the relationship between seconds and minutes，minutes and hours，days in month etc
－Read the time on an analogue clock（inc Roman Numerals）and begin to under－ stand time in terms of 24 hour clock

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－Convert between miles and kilometres
－Understand why $\mathrm{cm}_{3}$ is used as a unit of measure for cuboids（volume）
－Measure／calculate the capacity of vessels
－Tackle multi－step problems where selective use of operation and varied units of measure are apparent

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－Calculate and compare with squares and rectangles the area $\mathrm{cm}_{2} / \mathrm{m}_{2}$
－Estimate the area of irregular shapes
－Explore the cubic measurement of 3－D constructions（volume）
－Use all 4 operations to solve problems involving all facets of measure ；including decimal notation
－Calculate／measure the perimeter \＆area of a range of shapes（inc．composite shapes）based on the given formulae and relative knowns
－Recognise and fluently recite square and cubed numbers
－Solve problems involving all areas of measure and convert units of measure confi－ dently
－Understand and use conversion in relation to metric and imperial units of meas－ urement（cm to inches，pounds to grams etc）
－Measure，compare and add／subtract lengths， mass，volumes etc
－Measure the perimeter of simple 2－D shapes
－Problem solve in the context of real－life prob－ lems involving time，mass，length
－To compare and calculate the time duration for certain events（focus on everyday e．gs）
－Estimate and read time with increasing confi－ dence，supported by developed use of math－ ematical language

