

## 2022 AUTOMATIC RESPONSES YEAR 4

### **Mental Maths**

All tables and combinations- SPEED essential.

Area= Length x Width

Perimeter = length + width times 2

Conversions of measurements: 1cm = 10mm, 1000g = 1kg, 1L = 1000ml, 1000kg = 1 tonne, 1m = 100cm, 60 sec = 1min, 60 mins = 1 hr, 24 hrs = 1 day, 7 days = 1 week, 52 weeks = 1 year, 12 months = 1 year, 365 days = 1 year, 10 years = 1 decade, 100 years = 1 century, 1000 years = millennium, 14 days = fortnight, leap year = 366 days.

Need to know the days of the week and the months of the year, 24 hr digital clock time and analogue time.

Geometry: polygon, prism, pyramid, names and properties of all 2D and 3D shapes (regular and irregular shapes), properties of different triangles, parallelogram.

Angles: 90 degrees = right angles, 180 degrees = straight angle, 0-90 degrees = acute angle, greater than 90 and less than 180 is obtuse angle, reflex angle = between 180 and 360 degrees, face, edge, vertex, apex of 3D shapes, know what perpendicular and parallel lines.

Fractions: fractions equivalent chart, what is a fraction, what is a mixed number and what is an improper fraction.

Number: multiplication

Product: times, groups of, sets, multiples, factors.

Division = quotient, divisor, dividend, groups of, times into, sets of and division is repeated subtraction.

Addition = plus, add, altogether, sum and increase.

Subtraction = take away, minus, difference, reduce, prime and composite numbers.

### **Grammar**

Definition of common nouns, proper nouns, collective nouns, pronouns, abstract nouns

Definition of action verbs and relating/helping verbs

Definition of adjectives

Definition of adverbs

Antonyms & synonyms

Past, present and future tenses

Homophones & homographs  
Comparatives and superlatives  
Phrases and clauses  
Root words  
Prefixes and suffixes  
Plural  
Digraphs, trigraphs and quadgraphs

### **Spelling Rules**

#### Final E Rule

When do you drop the final **e** from a word?  
When the next morphograph begins with a vowel letter.

#### Doubling Rule

When do you double the final consonant in a word?  
When the word ends in cvc and the next morphograph begins with a vowel.

#### Y to I Rule

When do you change the **y** to **i** in a word?  
When the word ends in a consonant- and -y and the next morphograph begins with anything except **i**.

#### Y as a vowel

When is **y** a vowel letter?  
At the end of a morphograph

#### W as a vowel

When is '**w**' a vowel letter?  
At the end of a morphograph.

#### ES endings

When do you use the **e-s** endings rule?  
If a word ends in **s**, **sh**, or **ch** you add **e-s** to make the plural word.

#### ES endings

When do you use the **e-s** endings rule?  
If a word ends in **x**, you add **e-s** to make the plural word.

#### ES endings

When do you use the **e-s** endings rule?  
If a word ends consonant-and-**y**, you add the **e-s** to make the plural word.

### **Poetry**

#### In Flanders Field

In Flanders fields the poppies blow  
Between the crosses, row on row, That  
mark our place; and in the sky The larks,  
still bravely singing, fly Scarce heard  
amid the guns below.

We are the Dead. Short days ago  
We lived, felt dawn, saw sunset glow,

Loved and were loved, and now we lie  
In Flanders fields.

Take up our quarrel with the foe:  
To you from failing hands we throw  
The torch; be yours to hold it high.  
If ye break faith with us who die  
We shall not sleep, though poppies grow  
In Flanders fields.

## **HASS**

### Geography

States and capitals of Australia  
Flags (Aboriginal, Torres Strait and Australian)  
Flora and fauna emblems for each state and territory  
Know common Australian landmarks-natural and man-made  
Oceans of the world  
Continents of the world  
Know the highest mountain in Australia  
Know the longest river in Australia  
Definition of lines of longitude and latitude

### History:

Significant historical dates (ANZAC day, Australia Day, Federation, WA day)  
Important historical figures to Australian history, such as James Cook, Ned Kelly.  
Names of the First Fleet ships

## **STEM**

What STEM stands for (**S**cience, **T**echnology, **E**ngineering, **M**aths)

## **Science**

Heat can be produced by burning, electricity or friction  
Heat moves from the hot object or material to the cold object or material.  
Some objects or materials absorb more heat than others.  
Matter is the material from which things are made.  
Solids and liquids are states of matter.  
When heat is added or taken away solids and liquids can be changed.  
Earth rotates (spins) on its axis once in about twenty-four hours (day and night).  
As Earth rotates, light from the Sun shines on half of the Earth to make day. On the other half of Earth there is no sunlight and it is night.

Shadows change size and direction during the day because Earth is rotating.

Living things grow, move, reproduce, excrete and use food, water and air.

Living things are grouped according to their features (taxonomy).

Animal features can include body covering, reproduction and number of limbs.

Predict and compare results with own prediction.

Make a column graph and find patterns in graphs

Explain why a test is fair or not.

### **LOTE (Indonesian)**

Numbers to 20

Alphabet names and sounds

Days of the week

Common greetings

### **The Arts**

#### MUSIC:

Semi breve = 4 beats

Dotted minim = 3 beats

Minim = 2 beats Crotchet

= 1 beat

Quaver =  $\frac{1}{2}$  beat (always have 2 quavers joined together making 1 beat) Triplet

= 1 beat

Definition of verse, middle 8 and chorus

Know the note names FACE on the stave (Notes in the space spell FACE) Know the note names EGBDF on the stave (Every Good Boy Deserves Fruit- on the lines)

Rest values- semibreve, dotted minim, minim, crotchet, quaver

Definition of rhythm and riff

Definition of beat/steady beat P

= softly

F = loudly

PP = very softly

FF = very loudly

Lento = slowly

Presto = quickly

#### Dance/ Drama:

On stage/off stage/center stage

Tabs

Audience

### **Manners**

Raise your hand to speak  
Eye contact whilst someone is speaking  
No fidgeting while people are talking