Granagh National School- Whole School Language in Mathematics

(the following lists are not exhaustive- they contain the most commonly used maths language at each class level however, additional words/terms may be included when teachers are teaching specific strands)

Junior Infants:

Sort
Same as
Big, bigger than etc
Small, smaller than etc
Tall, taller than etc.
Heavy/heavier than etc
Light/lighter than etc
Long, longer than etc
Short, shorter than etc
Curved, round, inside, above, over
Too many, enough
How many more?
Shape
triangle circle, rectangle, square
Straight, corner, outside, below, under

Object
Match/mark, join
All terms re. Time, moving etc.
Early, late, morning, evening
Night,day,lunchtime, bedtime
Days of the week
Who? How? Why?
Pattern
Zero
Count 1-10
Write 1-5

roll,/do not roll

Colour
Same length, weight, height
To, from, before, after
Set
More than, less than
Full/ nearly full
Empty/ nearly empty

First, second, third / last etc.
Coins, cent, spend,
How much? Buy/Sell

Senior Infants as Junior Infants: plus the following:

Compare
Add, plus
Greater than/less than
As many as
High, low
Today, yesterday, tomorrow
Days of week etc.
Months, seasons birthdays
o'clock/ not yet
Holds most/least/the same/level
Extend pattern
Closed
Out, front, back, high low
Around

Least
Same as
Money, cost ,price, change
Expensive /cheap
Count on / back
Forwards/ backwards
Holds more than/less than
Over, under, on, in, open
3D shapes, names,
Cube/cuboid/sphere/cylinder
Edge, corner, face,
Straight curved
Number strip

Most, heaviest, etc
How far/how far more?
Take away, go back
Break up groups
Wide narrow
Thick/thin
How long, short, heavy?
Measure
Copy
Words for numerals
Joined, between, next t
Charts,
Continue,/ complete

1st Class: as infants plus the following:

Less, more,
Subtraction
Smaller, greater
Abacus
How many more
Days of week
Between

Addition,
Make the same as
Metre a bit more than a metre
A bit less than a metre
Change
Tens/units
Months

Number
Take away
Kilogram a bit more than a kilogram
A bit less than a kilogram
Group, order
Calendar
Subtract, steps

Clock,
Problem
Circle, square, rectangle, semi-circle
Triangle, side, corner
Faces, edges
Left over
Number line
Fractions /Half

Make tens
Pictogram
Block graph
Cube, cuboid,
Sphere, cylinder, cone
Magic square
100 square.
Odd, even

Half past
Counting in 2's etc.
Add
Plus
Minus
Capacity
Litre a bit more than a litre
A bit less than a litre

2nd Class: as 1st plus the following:

Missing numbers
Shaded set
In order
Metre, centimetre
Counting
Hundred
Shaped
Number sentence
Digital clock/time
hours, quarter past/to
Midday/midnight a.m. p.m
Seasons/Months/Calendar

Half quarters
Rename
Subtract
Regroup
Difference between
Checking answer
Distance
Different
2D, 3D shapes
Euro/cent
Altogether
Total

Forward, backwards
Place value
Add, group
Sign
Pictogram
Block graph
Magic square
Area
Symmetry
What do I need?

3rd Class: as 2nd plus the following:

Symmetry regular/irregular shapes
Language of division and multiplication
Product/multiply/repeated addition
Factors
Divide,/divided by/division/ share equally etc
Sets
Angle, right angle, horizontal, vertical, diagonals
Sides,angles,parallel lines/ no parallel lines
2D shapes Hexagon
3D shapes sphere , triangular prism, pyramid
Solid/ Edges/Corners/ Curved
Construction
Recording/Graphs/Bar chart

Covering area
Mathematical sentence versus written 2X3 = 6
Capacity/liquid/litres, mls
Weight – grammes / kgs
Length – metres, cms
Time/Analogue/ Digital/ mimutes past/to.
Decimal
Fractions – halves, quarters,eighths, tenths.
Area
Data/Tally
Possible/impossible/certain/ not sure

4th Class: as 3rd plus the following:

Capacity : more/less, litre, millilitres
Division and multiplication – estimate, remainder , into, by, from, under, value, more, less, repeated subtraction, reverse multiplication
Quantity
Weight - kg. light, lighter, etc. heavy objects.
Lines & angles: horizontal, vertical, sloping, parallel, congruent, perpendicular, direction, point, vertices, acute, obtuse, straight, equilateral, isosceles, scalene, dimensions
2D shapes; regular, irregular, pentagon, hexagon, octagon , pointed, straight, square, solid, angle, acute, rhombus, parallelogram, polygon, obtuse, irregular quadrilateral
3D-Shapes: triangular/square board, solid, prism, net, tessellate,
Fractions- quarter, eighth, thirds, sixths, fifths, ninths, tenths, twelfth etc/divide, shade, frame, equivalent fraction, denominator

Decimal- tenths, hundredths
Data: scale, bar-line,
Time- clockwise, anti-clockwise, analogue, digital, rename minutes as hours and minutes
Digit, inverse, rounding , figure.
Chance/estimate
Data: Pie chart, Bar chart,
Combine, partition, calculate
Axis, reflection
Length: perimeter, km
Multiplication: renaming
Area: square centimetres and square metres
Equations

5th & 6th Class: as 4th plus the following:

Fractions : mixed number, improper/proper fractions, inverse fractions, L.C.M./H.C.F., numerator/denominator, simplify, hundredths, thousandths, equivalence, simplify, ratio, proportion
Shape & Space: protractor, reflex
Lines & angles: degrees,, co-ordinates, x axis, y-axis, grid reference points, perpendicular height, base, cardinal points
Time: Speed, distance, time, GMT, arrival and departure times, am, pm, 24hour clock
2D shapes: trapezium, tangrams, vertex, plot, oval,
Data: average, mean, mode, trend graph, probability, possibility, frequency, outcome, improbable, survey
Length: width, surface, diameter, scale, circumference
Algebra: positive numbers, negative numbers, equation, variable, complex, simple, replace, substitute, predict, properties, prime numbers, composite numbers, directed numbers
Capacity: graduated cylinder
Money: profit, loss, percentage increase/decrease, value added tax, currency exchange rate, interest
Circle: arc, diameter, circumference, radius, sector, pie, chord
3D shapes- tetrahedron, octahedron , trapezium, trapezoid, quadrilateral
Number: divisor, dividend, quotient, factors (divisors), odd, even, multiples, square numbers, exponents, square roots, product
The Family of 1 eg. 10/10, 3/3 etc.
Percentage
Area: surface area, hectares
Capacity: volume , centimetre cubes
Rotation, Symmetrical
Dividing: long division
Decimals: thousandths
Variables