PIANO
BY WONGCHANT

Curriculum Outline Year 3

A Guide for Year 3 Math Curriculum

YEAR 3

7-8 years

MODULE 1

UNIT 1 — NUMBER: PLACE VALUE

➢ Represent numbers to 100
➢ Tens and ones using addition
➢ Hundreds
➢ Represent numbers to 1,000
➢ 100s, 10s and 1s (1)
➢ 100s, 10s and 1s (2)
➢ Number line to 1,000
➢ Find 1, 10, 100 more or less than a given number
➢ Compare objects to 1,000
➢ Compare numbers to 1,000
➢ Order numbers
➢ Count in 50s

UNIT 3 — NUMBER: MULTIPLICATION & DIVISION

➢ Multiplication – equal groups
➢ Multiplication using the symbol
➢ Using arrays
➢ 2 times-table
➢ 5 times-table
➢ Make equal groups - sharing
➢ Make equal groups - grouping
➢ Divide by 2
➢ Divide by 5
➢ Divide by 10
➢ Multiply by 3
➢ Divide by 3
➢ The 3 times table
➢ Multiply by 4
➢ Divide by 4
➢ The 4 times table
➢ Multiply by 8
➢ Divide by 8
➢ The 8 times table

UNIT 2 — NUMBER: ADDITION & SUBTRACTION

➢ Add and subtract multiples of 100
➢ Add and subtract 1s
➢ Add and subtract 3-digit and 1-digit numbers – not crossing 10
➢ Add a 2-digit and 1-digit number - crossing 10
➢ Add 3-digit and 1-digit numbers – crossing 10
➢ Subtract a 1-digit number from 2-digits - crossing 10
➢ Subtract a 1-digit number from a 3-digit number – crossing 10
➢ Add and subtract 3-digit and 2-digit numbers – not crossing 100
➢ Add 3-digit and 2-digit numbers – crossing 100
➢ Subtract a 2-digit number from a 3-digit number – crossing 100
➢ Add and subtract 100s
➢ Spot the pattern – making it explicit
➢ Add two 2-digit numbers - crossing 10 - add ones & add tens
➢ Subtract a 2-digit number from a 2-digit number - crossing 10
➢ Add and subtract a 2-digit and 3-digit numbers – not crossing 10 or 100
➢ Add a 2-digit and 3-digit numbers – crossing 10 or 100
➢ Subtract a 2-digit number from a 3-digit number – crossing 10 or 100
➢ Add two 3-digit numbers – not crossing 10 or 100
➢ Add two 3-digit numbers – crossing 10 or 100
➢ Subtract a 3-digit number from a 3-digit number – no exchange
➢ Subtract a 3-digit number from a 3-digit number – exchange
➢ Estimate answers to calculations
➢ Check answers

MODULE 2

UNIT 1

NUMBER: MULTIPLICATION AND DIVISION
- ➤ Consolidate 2, 4 and 8 times-tables
- ➤ Comparing statements
- ➤ Related calculations
- ➤ Multiply 2-digits by 1-digit (1)
- ➤ Multiply 2-digits by 1-digit (2)
- ➤ Divide 2-digits by 1-digit (1)
- ➤ Divide 2-digits by 1-digit (2)
- ➤ Divide 2-digits by 1-digit (3)
- ➤ Scaling
- ➤ How many ways?

UNIT 3

STATISTICS
- ➤ Make tally charts
- ➤ Draw pictograms (2,5 and 10)
- ➤ Interpret pictograms (2,5 and 10)
- ➤ Pictograms
- ➤ Bar charts
- ➤ Tables

UNIT 2

MEASUREMENT: MONEY
- ➤ Count money (pence)
- ➤ Count money (pounds)
- ➤ Pounds and pence
- ➤ Convert pounds and pence
- ➤ Add money
- ➤ Subtract money
- ➤ Give change

UNIT 4

MEASUREMENT: LENGTH AND PERIMETER
- ➤ Measure length
- ➤ Measure length (m)
- ➤ Equivalent lengths - m & cm
- ➤ Equivalent lengths - mm & cm
- ➤ Compare lengths
- ➤ Add lengths
- ➤ Subtract lengths
- ➤ Measure perimeter
- ➤ Calculate perimeter

UNIT 5

NUMBER: FRACTIONS
- ➤ Make equal parts
- ➤ Recognise a half
- ➤ Find a half
- ➤ Recognise a quarter
- ➤ Find a quarter
- ➤ Recognise a third
- ➤ Find a third
- ➤ Unit fractions
- ➤ Non-unit fractions
- ➤ Equivalence of 1/2 and 2/4
- ➤ Count in fractions

MODULE 3

UNIT 1

NUMBER: FRACTIONS
- Making the whole
- Tenths
- Count in tenths
- Tenths as decimals
- Fractions on a number line
- Fractions of a set of objects (1)
- Fractions of a set of objects (2)
- Fractions of a set of objects (3)
- Equivalent fractions (1)
- Equivalent fractions (2)
- Equivalent fractions (3)
- Compare fractions
- Order fractions
- Add fractions
- Subtract fractions

UNIT 3

GEOMETRY: PROPERTIES OF SHAPE
- Turns and angles
- Right angles in shapes
- Compare angles
- Draw accurately
- Horizontal and vertical
- Parallel and perpendicular
- Recognise and describe 2-D shapes
- Recognise and describe 3-D shapes
- Make 3-D shapes

UNIT 2

MEASUREMENT: TIME
- O'clock and half past
- Quarter past and quarter to
- Months and years
- Hours in a day
- Telling the time to 5 minutes
- Telling the time to the minute
- Using a.m. and p.m.
- 24-hour clock
- Finding the duration
- Comparing durations
- Start and end times
- Measuring time in seconds

UNIT 4

MEASUREMENT: MASS, CAPACITY AND TEMPERATURE
- Compare mass
- Measure mass (1)
- Measure mass (2)
- Compare mass
- Add and subtract mass
- Compare volume
- Measure capacity (1)
- Measure capacity (2)
- Compare capacity
- Add and subtract capacity
- Temperature