## YEAR 8 UNIT 1
## Ratio and Scale
### *Key Vocabulary*

ratio,
equal parts,
for every,
proportion,
relationship,
order,
colon,
divide,
multiply,
part,
double number line,
promotional,
multiplier,
placeholder,
units,
share,
total,
label,
factors,
equivalent,
simplify,
common factors,
scale, ,
compare,
denominator,
numerator,
perimeter,
circumference,
constant,
pi ( $\pi$ ),
regular,
diameter,
right-angled triangle,
gradient,
slope,
steep

## YEAR 8 UNIT 2
## Multiplicative Change
### *Key Vocabulary*

proportion,
ratio,
double,
triple,
linear,
variable,
axes,
labelling,
units,
conversion,
approximation,
exchange rate,
scale factor,
enlargement,
object,
image,
currency,
estimate,
sterling,
rate,
directly proportional,
origin,
constant,
relationship,
orientation,
similar,
corresponding,
length,
not to scale,
plan,
distance,

## YEAR 8 UNIT 3
## Multiplying and Dividing Fraction
### *Key Vocabulary*

unit fraction,
non-unit fraction,
numerator,
denominator,
product,
repeated addition,
square,
whole,
commutative,
quotient,
divide,
estimate,
reciprocal,
convert,
simplify,
factors,
generalise,
cancel,
term,
expression,
simplest form

## YEAR 8 UNIT 4
### Working in the Cartesian Plane
*Key Vocabulary*

quadrant,
coordinates,
horizontal,
vertical,
axis / axes,
origin,
parallel,
straight line,
equation,
graph,
diagonal,
scale,
multiple,
steep,
incline,
ratio,
sequence,
descending,
curve,
symmetrical
midpoint,

linear,
substitute,
table,
slope,
proportion,
multiplier,
unitary,
direct,
difference,
gradient,
input,
output,
intercept,
negative,
ascending,
equation,
table of values,
non-linear,
equidistant,
segment,
mean

## YEAR 8 UNIT 5
### Collecting and Representing Data
*Key Vocabulary*

variable,
Scale,
increase,
relationship,
coordinate,
decrease,
origin,
axis,
correlation,
positive,
negative,
strong,
weak,
line of best fit,
straight,
extrapolate,
outlier,
linear,
non-linear,
discrete,
continuous,
percentage

measured,
counted,
qualitative,
quantitative,
frequency,
grouped
ungrouped,
total,
subtotal,
tally,
range,
equal,
class,
class boundary,
estimate,
greater than,
less than,
equal to,
ratio,
fraction,

## YEAR 8 UNIT 6
### Tables
*Key Vocabulary*

sample space,
set,
probability,
systematic,
chance,
equally likely,
unbiased,
event,
P(event),
two-way table,
sample,
denominator,
intersection,
and/or,
union,
region,
total,
possibilities,
outcomes,
product,
table,
order