



# 3BY1 SUBJECT OVERVIEW January 2021 - April 2021

## DATES AND DEADLINES

### SUBJECT

**Mathematics & Numeracy (CfE)**  
**Homework issued regularly to revise and consolidate learning for each topic.**

**Classes will work on 4th level outcomes, extending to National 5 concepts.**

**Weekly numeracy work.**

### January

#### Fractions Decimals Percentages

MTH 4-07a - choose the most appropriate form of fractions, decimal fractions and percentages to use when making calculations mentally, in written form or using technology, then use my solutions to make comparisons, decisions and choices.

#### Fractions and Mixed Numbers

MTH 4-07b - solve problems involving fractions and mixed numbers in context, using addition, subtraction or multiplication.

#### Transformations

MTH 4-18b - using coordinate grid knowledge to move, reflect and rotate points and shapes

### February

#### Drawing the Straight Line

MTH 4-13d - using a given formula to generate points lying on a straight line, plot them to create a graphical representation then use this to answer related questions.

#### Measures of Average and Spread

MTH 4-20b - find the mean, median, mode and range of sets of numbers, decide which type of average is most appropriate to use and discuss how using an alternative type of average could be misleading. (include Standard Deviation)

### March

#### Data Display

MTH 4-21a - select appropriately from a wide range of tables, charts, diagrams and graphs when displaying discrete, continuous or grouped data, clearly communicating the significant features of the data.

#### Trigonometry

MTH 4-16a - explore the relationships that exist between the sides, or sides and angles, in right-angled triangles and select and use an appropriate strategy to solve related problems, interpreting answers for the context.