## **Graphs - Foundation**



The equation of a line

can be rearranged: Egi

y = c + mx

c = y - mx

Identify which coefficient

you are identifying or

comparina

## What do I need to be able to do?

## By the end of this unit you should be able to:

- Plot and interpret real life graphs
- Plot linear graphs
- Find the equation of a line from a graph
- Plot quadratic graphs

u=2x

Interpret gradient and intercepts of real life graphs

## Vocabulary

1

The value of c is the point at

which the line crosses the y-

axis. Y intercept

The coordinate of a y intercept

will always be (0,c)

Travel Graphs: line graphs that are used to describe the motion of objects such as cars, trains, cyclists etc.

Conversion Graph: used to change on unit into another

Linear graph: a straight line graph

y=mx+c: this is the general equation of a straight line, , is the gradient and c is the intercept.

Gradient: the steepness of the slope of a straight line

Intercept: where the graphs crosses the y-axis Quadratic Graph: a curve called a parabola

The coefficient of x (the number in front

of x) tells us the gradient of the line

The value of c is the point at

which the line crosses the u-

axis. Y intercept







