**Leaving Certificate Maths (FL)**

**(Ms. Hanna)**

**Easter Revision**

**Topics**

**Coordinate Geometry**

* Read and plot coordinates in all quadrants
* Find the distance between two points
* Find the Midpoint between two points
* Find the Slope between two points (rise/run, formula)
* Find the Equation of the Line
* Find the point of Intersection of two given lines
* Find the equations of the lines parallel to and perpendicular to a given line and through a given point.
* Solve real life problems using coordinate geometry
* Find the Area of Triangle.

**Length, Area & Volume**

* Find the area and perimeter of 2D shapes
* Find the area and circumference of circles and sectors of circles
* Solve problems involving area
* Investigate the nets of rectangular solids
* Find the surface area and volume of various 3D shapes

**Trigonometry**

* Solve right-angled triangles using the theorem of Pythagoras
* Use the trigonometric ratios sin, cos and tan to solve problems
* Define sin x and cos x for all values of x
* Define tan x
* Find trigonometric ratios in surd form angles 30, 45 and 60
* Calculate the area of a triangle

**Past Papers**

Complete Sample Paper 4

 Sample Paper 5

 Sample Paper 6