Birkdale High School	**Mathematics Department Foundation Stage**	**Curriculum Map**
Unit 9: Perimeter and Area of Triangles, Parallelogram, Trapezium and Circles		**Year Group: 8**

INTENT: Aims of the Unit	**IMPLEMENTATION:** Knowledge and delivery	**IMPACT:** Assessment
In Mathematics Year 8 we are looking at students completing the Mastery approach to learning. In this unit we are looking at our third part of shape - area and perimeter, building on previous work from year6 Students are introduced to area and perimeter of triangles, parallelogram, trapezium and circles. They start to learn how to calculate compound areas and perimeters.	Knowledge ● Perimeter and area of a triangle ● Perimeter and area of parallelogram and trapezium ● Circumference of a circle ● Area of a circle ● Perimeter and area problems of composite shapes Delivery ● Teacher led instruction using activstudio ● Class discussion ● WAGOLLs ● Random/Targeted Questioning ● Textbook questions ● Tutorial lessons Possibly to include ● Variation theory ● Treasure hunts ● Puzzles ● Mathsbox settlers	**What knowledge are you assessing?** ● Recall of formula of area of triangle ● Recall of formula of area of parallelogram and trapezium ● Recall of formula for circumference and area of a circle ● Correct use of a calculator **Which elements of fluency of knowledge are you assessing?** ● To be able to find the area or perimeter of a triangle, trapezium and parallelogram ● Calculate the circumference of a circle ● Calculate the area of a circle ● Find the length of a shape when given perimeter or area ● Solve area or perimeter real life problems using a combination of shapes ● Solve problems involving parts of a circle in real life situations
Enabling Learning ● understand the meaning of area and perimeter and units of measure ● know how to find the area and perimeter of a square and a rectangle ● recognise and describe types of triangles		

Key Vocabulary		**Wider Learning**
Tier 2: High frequency / Multiple meaning area, substitute, formula, revolution, composite	*Tier 3: Subject related.* circumference, perimeter, pi, radius, diameter, perpendicular, trapezium, parallelogram	**SMSC / RWCM / CEIAG**