



Maths Homework

Spring 1

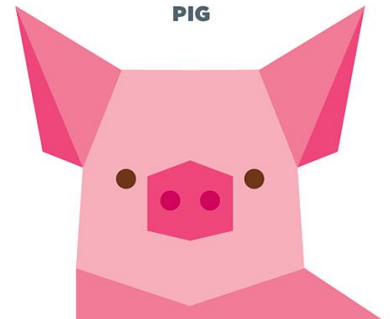
Year 7



Introduction:

2D Shapes – Investigation into Polygons!

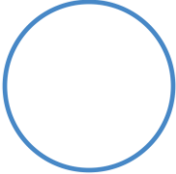
Where are Polygons used in day-to-day life?



Note:

Your teacher will be judging your homework completion based on tasks from Week 1 to 5.

If you have not completed your tasks from Week 1 to 5, you will not have completed your homework and will need to complete it in a homework reflection on the last week of term

Week 1 (week commencing)	
What is a polygon?	
 <p>Is this shape a polygon?</p>	
Is it possible to draw a polygon with 2 straight lines? Try it yourself!	

Week 2 (week commencing)	
What's the name of a polygon with 3-sides?	
What is the general name of a polygon with 4-sides?	
What is a dodecagon?	

Week 3 (week commencing)	
Can you split a rectangle into 2 triangles?	
Can you split a pentagon into 3 triangles?	
How many triangles would you split an octagon into?	
Can you find a formula for how many triangles you can split a polygon into? (Hint: Use 'n' for the number of sides!)	

Week 4 (week commencing)	
How are polygons used in video game design?	
Are there any famous buildings shaped like polygons?	
What polygons are bridges mainly made of? Why?	

Week 5 Project Hand-In (week commencing)

Collate your data and make a project

Draw or make an animal using only polygons.
Some examples are provided at the top of the
sheet!

Upload your HWK onto teams (If you have a
physical copy then please take a picture to
upload)