Learning Activities	Communication	Supporting Sites

Topic: Quadrilaterals and polygon angles
What do you want students to know?
 Understand and use the properties of angles
 Use the sum of exterior angles of any polygon
Calculate and use the sum of the interior angles in any shape
Use the angle properties of triangle ,quadrilaterals and the fact that the angle sum of a quadrilateral is 360°;
Revisit use of the angle sum in any polygon to derive the properties of regular polygons
What do you want them to produce to demonstrate learning?
  1. *To complete questions on* Angles ppt *after finishing the* video *and* maths watch
  2. *To complete questions on page 1-2* angles worksheet with answers *and check their answers from page 3*
  3. *To question why answers are wrong and ask their teacher for guidance if needed via Teams on SharePoint*
Week 9 Learning Objective: To revisit and consolidate Angles in Parallel Lines & Polygons Week 9
 Activities:
Complete the PPT angles task and angles worksheet with answers assigned to you
 	
  • Don't do it all in one go- spend around 30 minutes per session
  • Do as much as you can using the videos to help you
  • If you can, print off the worksheet then complete it on worksheet .if you are unable to print just complete it on paper.
  • Use the answer scheme to mark your work
  • Make revision cards on the questions you got wrong and need to work on
  • If you wish to do more have a go at the maths extension tasks
 This link will take you to the folder for Week 9
What can they teach to someone else?
Can you explain to someone any mistakes you made and why?
Can you explain what some of the key words mean to someone?
Resources needed: P*en, unit test*
This will support: Revision of prior work and improve depth of understanding
	Key Vocabulary
	Quadrilateral, angle, polygon, interior, exterior, proof, tessellation, symmetry, parallel, corresponding, alternate, co-interior, vertices, edge, face, sides, Pythagoras' Theorem, sine, cosine, tan, trigonometry, opposite, hypotenuse, adjacent, ratio, elevation, depression, segment, length
	Extension task:
	
	https://thefuturestrust.sharepoint.com/:b:/r/sites/PK_Subjects_MA/Year%2009/School%20Closure%20Weekly%20Work/Higher/Week%209/Angles%20recap%20worksheet%20with%20answers%20.pdf?csf=1&web=1&e=t5zYRn
	
	(You don't have to do all at once!)
		Signpost to:
		Websites
		Share point
		Frog
		Mathswatch
		VLE
		Nrich.maths.org
		Bbc bitesize
		MathsGenie

Week 9 Date: *Monday 22nd June -26th June 2020*   **Year Group***: 9 HIGHER*   **Subject:** *Mathematics*   **Length of Topic:** *1 week*