Assam Goes Online (AGO)

Class:8   **Subject: Maths**   **Topic:** Quadrilateral

Learning Objective:

- The students will get an idea about the different types of quadrilaterals and can identify their properties
- The students will get an idea about polygons and their angles.
- The students will acquire more logical understanding about quadrilaterals.

Day		Activities	Resource
Day 1	40 minutes	Students will do the following activity: Take a square paper and cut the paper into different shapes. (The students can follow the links to understand) 2 small triangles 1 medium triangle 2 large Triangles 1 square 1 parallelogram	https://www.youtube.com/watch?v=m7iUEgu2EGg

		With the cut out shapes the students will make different shapes (like kite, rhombus, square, trapezium, parallelogram etc) and will write the name of the figures. Or, With help of 10/11 sticks / matches the students will make 7/8 figures (e.g.: pentagon, rectangle, trapezoid etc) and will write the name of the figures. They will share what they did with teachers/ parents	Students can refer to text book (Page no. 57,58, 61, 62,63)
	40 minutes	The teacher will give the following activities to the students: a) Take a paper and draw a parallelogram, cut the shape and name them ABCD. fold it by AC and DB. Then the student has to find out whether diagonal DB bisects the diagonal AC at the same point E? Share with your teacher b) Take a square sheet, say ABCD. Fold along both the diagonals. Is their mid-point the same? Check if the angle at E (mid-point) is 90 degree. c) After going through page no. 49 of the text book the student will draw some figure of convex and concave polygon and will share it with the teachers.	Text book Page 47
Day 2	60 minutes	**Assessment:** To understand the family tree of Quadrilateral and its properties the student will go through the text book then they will fill in the sheet and share it with the teacher. The Properties of Quadrilateral	The students can follow the link to understand the Quadrilaterals: family tree and its properties

Quadrilateral	No. of Sides	No. of Parallel sides	Perpendicular lines	Angles	No. of Diagonals	No. of Symmetry
Square						
Rhombus						
Rectangle						
Parallelogram						
Kite						
Trapezium						

https://www.geogebra.org/m/YDVXQAMB

- Think about the given problems and share the answer with your teacher.
  - Your brother has made a wooden slab. He needs it to be rectangular but he is confused. In what different ways can you make sure that it is rectangular.
  - Have you seen kite flying in the sky? Make a kite with a sheet of plastic or kite paper, stick and try to fly it. Take a picture and share with your teacher. Is the shape of the kite same that we learnt in the text book? What is the difference? Define it and share with your teacher.
- What is the use of quadrilaterals in our life?

The students will share the findings with their teachers/ parents.