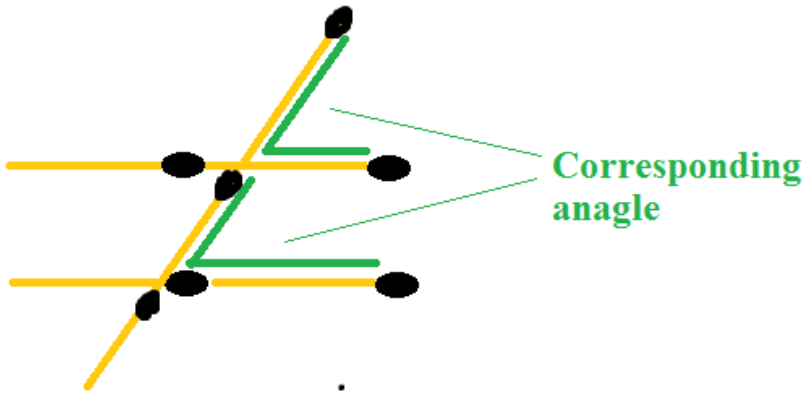
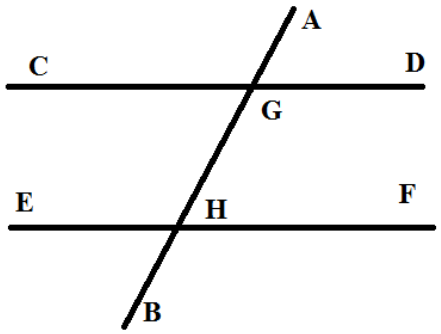
New Era High School, Panchgani

Assignment 2 — Class VII

Subject	**Mathematics**
CHAPTER	Lines and angles
TIMELINE	2nd Week (May 4 to May 9, 2020)
Topics	• Introduction (Recall- point, line, line segment) • Angles • Related angles (Complementary angles, supplementary angles, adjacent angles, linear pair vertical angles) • Transversal • Angles made by transversal. • Transversal of parallel lines • Checking for parallel lines
Activity	**Activity 1** • On a blank page draw randomly 10 points such that not more than three points should be in a line. • Name the points with capital letters from A to J. • Join any five pairs of points with different colour pens.(e.g. Join A and G, F and I etc.) • Observe the diagram formed and name the following a) Points which are not joint to any other point. b) Line segment c) Triangle d) Quadrilateral **Activity 2** • Observe around you; list the things which form angles and angle pairs like complementary and supplementary angles. **Activity 3** Use match sticks, glue, colour pens and blank paper • Stick match sticks to make parallel lines and its transversal • Use colour pens to show different angle pairs in individual diagram Example.

	
Moral Value	The two points are at a distance still with the help of a line a connection is made and a geometrical figure can be formed. Similarly, though we are locked down at home our love and care for our near and dear ones can create a connection between them and us with the help of technology.
Submission	Students should solve the Assignment on a paper and submit its scanned copy by 9^{th} May 2020. For the queries, you may contact me on sanket.dhoke@nehs.in The hard copy to be submitted as and when you report to the school. Please note the above activities are part of your internal assessment and it is mandatory.
Resource	Class VII text book of Mathematic by N.C.E.R.T To download the textbook click the link given below http://ncert.nic.in/textbook/textbook.htm?gemh1=0-15
Questions	1. Draw one example each of the following a) Acute angle b) Obtuse angle c) Straight angle d) Right angle 2. Find the complementary angle of the following a) 42^0 b) 23^0 3. Find the supplementary angle of the following a) 110^0 b) 45^0 4. Find which of the following are complementary, supplementary or none a) 26^0 and 64^0 b) 170^0 and 25^0 c) 145^0 and 45^0 d) 115^0 and 65^0 e) 33^0 and 57^0 5. Observe the figure below and answer the questions given :



a) Name the parallel line

b) Name the transversal line

c) Name the pair of angles which are equal and form a pattern of "Z", what are they called?

d) Name the pair of angles are equal and form a pattern of "F", What are they called?

e) Name the complementary angle of $\angle$ GHF and $\angle$ AGC

Subject Teacher: Sanket Dhoke