NEW ERA HIGH SCHOOL, PANCHGANI MATHEMATICS ASSIGNMENT – 3 CLASS IX	
Textbook:	NCERT MATHS TEXT BOOK
Lesson :	Number Systems
Time Line :	11 May to 16 May, 2020
Objectives:	The students will be able to: (i) Identify, and define rational numbers, irrational numbers (ii) Deduct the nature of decimal form of rational numbers and irrational numbers (iii) Deduce the theorem about the nature of denominator of p/q form of a rational number to give a terminating decimal. (iv) Classify Real numbers into Rational and Irrationals on basis of their decimal forms. (v) Represent given real number on the number line.
Expected Learning Outcome:	• Natural Numbers, Whole Numbers, Integers, Rational Numbers and Irrational Numbers • The method of plotting square root of natural and decimal numbers on the number line. • The laws of exponents
Methodology:	The transaction should precede in the following manner - Introduction of the topic- PPT and Digital Content on Diksha App. Open the Diksha App click on English Medium > Click on class 9> Click on Mathematics> Click on Number Systems >Click on Explanation> Click on Explanation Videos > Watch following videos: • Converting repeating decimals to fractions (part 2 of 2) • Proof: sum of rational & irrational is irrational • Evaluating fractional exponents: fractional base • Sums and products of irrational numbers • Proof: product of rational & irrational is irrational • Evaluating quotient of fractional exponents
Assessment of qualifying knowledge	Please carry out the exercise for the following, based on the topics discussed above from the NCERT Textbook: • Page 14 – Q1, Q3, Q8 & Q9 • Page 24 – Q1, Q2 and Q5. • Page 24 – Q1 to Q3. Answers based on the text can be done in a notebook and to be submitted when the school reopens.

	Multiple Assessment Activity: Make a project on any three mathematicians with their contribution to the field of mathematics in the notebook and maintain the record for Multiple Assessment.
Submission:	Students should do the Multiple Assessment activity, scan it and send it to geetha.reddy@nehs.in on or before May 16, 2020. The hard copy to be submitted when the school reopens. Please note that the above activities are part of the Internal Assessment and are mandatory.
Resources:	Click on the following link to download the lesson 01 – Number System. http://ncert.nic.in/textbook/textbook.htm?iemh1=0-15 NCERT text book Diksha App.
Teacher:	Ms. Geetha Reddy (Phone No 9421360875) Please call between 9.00 a.m. to 5.00 p.m. for your doubts and queries.