

FOCUS SPOTS /HARD SPOTS**SUBJECT: MATHEMATICS****GRADE: IX**

CHAPTER	<u>1 NUMBER SYSTEM.</u>
TOPIC/CONCEPT	1)Basic of the number system and rational numbers. 2) Irrational numbers and real numbers. 3) Decimal expansion of real numbers. 4)operations on real numbers 5) laws of exponent for real numbers.
FOCUS SPOT	1)Basic number system and its meaning. 2) Representation of irrational number on number line. 3)Process of rationalization of denominator 4). Calculations using laws of exponents.
WHY	1).Students struggle in comprehending the concept of real numbers and their parts as they get confused among the different properties of the whole numbers, integers, irrational numbers and natural numbers. 2). Students struggle in calculating the square root of certain numbers as they get perplexed between the concept of square and square root of a number; and cannot represent $\sqrt{7}$ in a number line. 3) Students have faced difficulty in rationalization process because sometime it have complex calculation part. 4). Students face difficulty in simplifying equations with the laws of exponents as they overlook the multiplication and

	division properties of exponents
IMPACT	1) Students will face difficulty in differentiating rational, irrational numbers, integers and natural numbers. 2) Students face difficulty in the representation of irrational numbers on the number line. 3) students will face more difficulty in more complex problem in rationalization type problems. 4) Students face difficulty in performing a correct simplification of the expression given or take time in simplifying the expression without applying the law of exponent.