

CLASS – 4TH

CLASSES REQUIRED	24 teaching periods
TOPIC	Multiplication & division
CONCEPT & SKILLS	Multiplication facts, multiplication using lattice method, column method & expansion method, Multiplication & division by 1, 2 & 3-digit numbers (with and without regrouping) Division by drawing dots, grouping, multiplication facts, repeated subtraction. Multiplication & division by 10's, 100's & 1000's. Framing and solving word problems involving multiplication & division. SKILLS: Students will use times table in calculating variety of sums and apply both the operations in their real life situations.
LEARNING OUTCOMES	Multiplication and division of numbers using different methods. Sums involving multiplication and division.
INSTRUCTIONAL TOOLS & REFERENCES	Judo Gyan Kit & text book.
PEDAGOGY	Concept formation, Brain storming, Concept mapping, Random questioning, In text Questions.
ACTIVITY / ASSIGNMENT / RESEARCH	Learning of multiplication facts using Judo Gyan Kit.
ASSESSMENT	Multiplication facts, Division facts, Multiplication and division of numbers using different methods.
SYLLABUS FOR FORMATIVE & SUMMATIVE ASSESSMENT	Formative assessment: Multiplication as a repeated addition and division as a repeated subtraction .Multiplication, and division facts, Division by drawing dots. Multiplication and division by 1-digit number. Summative assessment: Multiplication facts, multiplication using lattice method, column method & expansion method, Multiplication & division by 1, 2 & 3-digit numbers (with and without regrouping) Division by drawing dots, grouping, multiplication facts, repeated subtraction. Multiplication & division by 10's, 100's & 1000's. Framing and solving word problems involving multiplication & division.