St. Joseph Rayong School
Course Outline

Unit Name and Number	Week No.	Content Headings	Key Sub-Topics / Context / Vocabulary	Projects / Graded Assignments	Question Style for Exam	Justification for Exam Content: Bloom's Taxonomy	Government Objectives
3	1 - 3	Multiplication	Multiplication Theory Multiplication of Numbers	Textbook Activity pages 12 - 13 (10 Points)	*Finding product using pictures	**Understand**	
Operations II and Money		**Activities: Student will practice and recite the multiplication table from 1 to 5.**	Vocabulary: multiply; group; multiplicand; multiplier; product; commutative property	Workbook Activity pages 1 - 4 (20 Points)	* Multiplying 1 to 2 digit numbers	Testing through practice and recitation,student can answer properly what they have learned.	**11.**Multiply one to two digit numbers by one digit numbers with products up to 100. **12.** Show the relationship of putting together two or more sets having the same number of elements to repeted addition. **13.** Suitably provide reasoning for decision-making and appropriately present the conclusions reached
3	4 - 7	Multiplication	Further Multiplication Solving Word Problems	Textbook Activity pages 20 and 23		**Application and Analyze**	13. Suitably provide reasoning for decision-making and appropriately present the conclusionsmore sets having the
Operations II and Money		**Activities: Student will practice and recite the multiplication table from 6 to 10.**	Vocabulary: vertical multiplication; horizontal multiplication; regrouping; without regrouping; place value method; shortcut method	Workbook Activity pages 5 - 9 (10 Points)	* Solving word problems	Students will apply what they have learned and look intosolutionsinanswering the problemsgiven through the application of prior knowledge.	

Unit Name and Number	Week No.	Content Headings	Key Sub-Topics / Context / Vocabulary	Projects / Graded Assignments	Question Style for Exam	Justification for Exam Content: Bloom's Taxonomy	Government Objectives
3	8	Division	Division Theory Relationship between Multiplication and Division			**Understand**	
Operations II and Money		**Activities:Students will practice division using window card**	Vocabulary: divide; shared equally; reverse; divisor; dividend; quotient			Testing through practice and recitation,student can answer properly what they have learned.	
	9	**Review for Midterms**					
3	10	Division	Division by 1-digit numbers(1 digit quotient) Division withou remainders Division without remainders	Textbook p39 (score 10) Workbook p17 (10 score) Workbook p28-29 (score 20)	* Dividing 1 to 2 digit numbers with or without regrouping	**Understand**	**14.** Divide one -to-two-digit numbers by one-to-two-digit numbers
Operations II and Money		**Activities:Students will practice division using window card**	Vocabulary: digit; divisor; quotient; remainders; dividend; unable to group		* Solving word problems	Testing through practice and recitation,student can answer properly what they have learned.	**15.** Show division as sharing equally as repeated subtraction and as the inverse of multiplication **16.** Link various bodies of mathematical knowledge, and link mathematics with other diciplines. **17.** Attain abaility for creative thinking.
3	11	Division	Solving Word problems			**Analyze**	
Operations II and Money		**Activities: Student will be given a worksheet activity for them to practice division**	Vocabulary: information; plan;solve; check; mathematical operation; keyword; number sentence; valid		`	The students willsolve the given eqaution though analysis and apply the learning of division.	

Unit Name and Number	Week No.	Content Headings	Key Sub-Topics / Context / Vocabulary	Projects / Graded Assignments	Question Style for Exam	Justification for Exam Content: Bloom's Taxonomy	Government Objectives
3 Operations II and Money	12	Money	Banknotes and Coins Comparing Money Vocabulary: banknotes; coins; money; baht; satang; value; greater; smaller; same	Banknote, Coin, Satang, Baht, Denominations, Exchange, Change, Purchase,	Workbook p45-46 (20 score), Workbook p47 (10 score),	**Understand** Testing thestudents,prior knowledge aboutwhich is greater from the given set.	M2.2.11. Solve problems involving measurement of length, weight, volume and money. M6.1.21. Accurately use mathematical language and symbols for communication, communication of concepts and presentation. M6.1.22. Link various bodies of mathematical knowledge, and link mathematics with other disciplines.
3 Operations II and Money	12	Money **Activities: Students will play a game " Mary went to the market"**	Exchanging money Telling amounts of money Vocabulary: exchange; denominations; monetary value;				

Unit Name and Number	Week No.	Content Headings	Key Sub-Topics / Context / Vocabulary	Projects / Graded Assignments	Question Style for Exam	Justification for Exam Content: Bloom's Taxonomy	Government Objectives
4 **Mixed Operations**	13-14		Brackets, Operations, Order of operations,	Workbook p71-74 (10 score), p75-78 (10 score) Worbook p79-80 (10 score)	Mixed operations will be in the final exam.	**Comprehend** Thestudentswill apply the learnings and institutes the operations needed to solve the equations.	M6.1.18. Apply diverse methods for problem-solving. M6.1.19. Approp. apply mathematical knowledge, skills and processes for problem-solving in various situations. M6.1.20. Suitably provide reasoning for decision-making and appropriately present the conclusions reached
4 **Measurements II**	15	**Activities: Hands on measuring of volume in class**	Measuring spoon, Oil measuring cup, Measuring cyclinder, Measuring can,	Workbook p60-61. (10 score)	Volume will be in the final exam	**Application and Analyze**	M6.1.23. Attain ability for creative thinking.
4 **Measurements II**	16		Greater capacity, Smaller capacity, Container,	Workbook p62 (10 score)	Comparing capacity will be in the final exam.	Apply the general principleslearned through analyzing of the given set of question.	

Unit Name and Number	Week No.	Content Headings	Key Sub-Topics / Context / Vocabulary	Projects / Graded Assignments	Question Style for Exam	Justification for Exam Content: Bloom's Taxonomy	Government Objectives
Shapes	17	**Activities: Mind games in class for shapes (2d and 3d)**	Shape, Two-dimensional shape, Triangle, Quadrilateral, Circle, Ellipse, Three-dimensional, Cuboid, Cylinder, Sphere,	Workbook p63 (10 score), Workbook p65 (10 score), Workbook p68-69 (20 score)	Identifying shapes and drawing 2D shapes will be in the final exam.	**Understand** The students will identify the shapes,wether it is a 2D or 3D shape.They couldalso answer the givensets of questions.	
Review for Final Exam	18						
	19						
Final Test	20						