Subject: Concepts of Algebra

Topic	QCC Objectives	Time	Resources	Activities	Evaluation
Communication: Writing expressions and equations	2. Communicates mathematical ideas by using language and symbolism:	1 day	Algebra: Concepts and Applications 1.1	P. 7, worksheet	
Real Number System: Order of operations	5. Reviews the following algebraic topics: simplifies numerical expressions	1 day	Algebra: Concepts and Applications 1.2	P. 11-13	
Real Number System: Commutative, Associative, and Distributive properties	5. Reviews the following algebraic topics: Identifies and applies the properties of real numbers.	1 day	Algebra: Concepts and Applications 1.3,1.4	P. 17-18 P. 22-23	Quiz
Problem Solving: A Plan for Problem Solving	1. Applies the following problem-solving process in challenging activities: - Identifies and formulates problems based on applied or laboratory situations. - Proposes and evaluates information needed to solve problems based on applied or laboratory situations. - Reaches a valid and supportable conclusion. - Judges the reasonableness of a proposed solution. 3. Develops logical reasoning skills through numerous and varied experiences: - Makes and tests conjectures. - Follows logical arguments. - Judges the validity for arguments. - Constructs simple arguments.	2 days	Algebra: Concepts and Applications 1.5	P. 28-29 Worksheet Investigation: Dot to Dot P. 30-31	
		2 days		Review	Test
Real Number System: Integers on a number line	5. Review the following algebraic topics: - Graphs real numbers on al number line.	1 day	Algebra: Concepts and Applications 2.1	p. 56-57 worksheet	
Real Number System: Adding and subtracting integers, expressions and evaluating	5. Review the following algebraic topics: - Adds, subtracts, multiplies, and divides integers and other rational numbers and determines their absolute value. - Simplifies and evaluates simple algebraic expressions and formulas.	1 day	Algebra: Concepts and Applications 2.3,2.4	worksheets	
Real Number System: Multiplying and	5. Review the following algebraic topics: - Adds, subtracts, multiplies, and divides integers	1 day	Algebra: Concepts and Applications 2.5,2.6	worksheets	