

GRADE 8 - MATHEMATICS

K-HIGH MATH

A wacky group of students from Karunungan High School understand relevant concepts in Mathematics through “situations” that each faced and got out of. The episodes are good supplementary materials for the study of Grade 8 Mathematics.

Medium: Filipino and English Learning Competency: Special Products

Special Products

This episode talks about polynomials that can be multiplied resulting in a special product like products of two binomials, product of the sum and difference of two terms, square of a binomial, cube of a binomial, and product of the special case of multiplying a binomial and a trinomial.

Jun 9 (Fri) 10:40am - 11:00am

3:20pm - 3:40pm

Jun 16 (Fri) 10:40am - 11:00am

3:20pm - 3:40pm

Sep 1 (Fri) 10:40am - 11:00am

3:20pm - 3:40pm

Learning Competency: Factoring

Factoring

This episode explains that knowledge of factoring enables one to solve problems related to finding the dimensions of a box that is to be made from a sheet of material whose total area is given.

Jun 23 (Fri) 10:40am - 11:00am

3:20pm - 3:40pm

Sep 8 (Fri) 10:40am - 11:00am

3:20pm - 3:40pm

K-HIGH MATH

Learning Competency: Algebraic Expressions

Math Component: Polynomial

SPORTS FEST

This episode features the basic concepts in algebra, namely, polynomials, constants, variables and algebraic expressions. The difference between a polynomial and an algebraic expression is given focus, as well as the parts of a term in an algebraic expression (i.e. literal and numerical coefficients). How these concepts are used in discussing fair implementation of laws is also be shown in this episode.

Jun 30 (Fri) 10:40am - 11:00am

3:20pm - 3:40pm

Sep 15 (Fri) 10:40am - 11:00am

3:20pm - 3:40pm

K-HIGH 2

Learning Competency: Evaluating Algebraic Expressions

MANONG DRIVER

After watching the episode, students are expected to define Algebraic Expressions, understand the concept of substituting numerical values to evaluate Algebraic Expressions, and be able to perform addition and subtraction of monomials.

Jul 7 (Fri)	10:40am - 11:00am 3:20pm - 3:40pm
Sep 22 (Fri)	10:40am - 11:00am 3:20pm - 3:40pm

Learning Competency: Simplifying Algebraic Expressions

Simplifying Algebraic Expressions

This episode explains the use of rational expressions and their properties and operations in finding the most efficient use of time and materials.

Jul 14 (Fri)	10:40am - 11:00am 3:20pm - 3:40pm
Sep 29 (Fri)	10:40am - 11:00am 3:20pm - 3:40pm

K-HIGH MATH

Learning Competency: Rational Algebraic Expressions

BRAIN DRAIN

This episode discusses the meaning of rational algebraic expression and its similarities with rational numbers. It explains how restricted value/s and domain of a given rational algebraic expressions are determined. It also shows the effects of “brain drain” to the quality of services delivered to people.

Jul 21 (Fri)	10:40am - 11:00am
	3:20pm - 3:40pm
Oct 6 (Fri)	10:40am - 11:00am
	3:20pm - 3:40pm

K-HIGH MATH

Learning Competency: Simplifying Rational Algebraic Expressions

TIME MANAGEMENT

This episode highlights simplifying rational algebraic expressions by factoring numerators and denominators completely and cancelling out common factors. Two methods of simplifying rational expressions (dividing by GCF and prime factorization) are presented in this episode. As an application, the topic is connected to proper time management as a strategy to efficiently carry out tasks.

Jul 28 (Fri)	10:40am - 11:00am
	3:20pm - 3:40pm
Oct 13 (Fri)	10:40am - 11:00am

3:20pm - 3:40pm

K-HIGH MATH

Learning Competency: Algebraic Expressions

Math Component: Mathematical Expressions

BISIKLETA

This episode demonstrates how verbal phrases are translated to mathematical expressions and vice versa. It aims to help students solve problems and perform mathematical operations using both numbers and words. How this skill is used in dealing with the problem of drop-outs in schools is discussed in the episode.

Aug 4 (Fri) 10:40am - 11:00am

3:20pm - 3:40pm

Oct 20 (Fri) 10:40am - 11:00am

3:20pm - 3:40pm

Learning Competency: Simplifying Algebraic Expressions

Simplifying Algebraic Expressions

This episode explains the use of rational expressions and their properties and operations in finding the most efficient use of time and materials.

Aug 4 (Fri) 10:40am - 11:00am

3:20pm - 3:40pm

Oct 27 (Fri) 10:40am - 11:00am
 3:20pm - 3:40pm

K-HIGH 2

Learning Competency: Evaluating Algebraic Expressions

MANONG DRIVER

After watching the episode, students are expected to define Algebraic Expressions, understand the concept of substituting numerical values to evaluate Algebraic Expressions, and be able to perform addition and subtraction of monomials.

Aug 11 (Fri) 10:40am - 11:00am
 3:20pm - 3:40pm

Nov 3 (Fri) 10:40am - 11:00am
 3:20pm - 3:40pm

Learning Competency: Rectangular Coordinate System/Cartesian Coordinate System

Rectangular Coordinate System/ Cartesian Coordinate System

This episode tackles coordinate system based on a grid in which the coordinates of every point on the plane can be identified by unique x and y coordinates.

Aug 18 (Fri) 10:40am - 11:00am
 3:20pm - 3:40pm

Learning Competency: Linear Functions

Linear Functions

This episode talks about functions which provide a way to express mathematical relationships. These are the building blocks of mathematical models which are based on relationships between quantities such as population versus growth rates and time.

Aug 25 (Fri) 10:40am - 11:00am
 3:20pm - 3:40pm