

## 2011-2012 WHRO VideoClassroom Preview

<b>Series Title:</b>	<b>Algebra Nspirations &amp; Applications</b>
<b>Curriculum Area:</b>	<b>Math</b>
<b>Grades:</b>	<b>7-12</b>
<b># of Programs/Length:</b>	<b>20/30:00 minute programs</b>

This brilliant series, developed by math experts, integrates guided instruction through Algebraic processes with real life applications of these operations. Each of the five Algebra Nspirations programs is written and hosted by Dr. Monica Neagoy, Ph.D., well-known and popular mathematics educator, taking students step-by-step through key curricular topics. Each of the five corresponding Algebra Applications programs illustrates how these processes are used in scientific, technological, finance and other practical applications.

- 1.) **Linear Functions, Equations & Graphs: The Geometry Of Graphs**
- 2.) **Quadratic Functions, Equations & Graphs (10:00 Preview Segment)**
- 3.) **Variables, Equations & Functions: The Foundation Of Algebra**
- 4.) **Inequalities: Solving Linear Inequalities In One And Two Variables**
- 5.) **Relations & Functions**
- 6.) **Data Analysis & Statistics**
- 7.) **Exponents And Exponential Functions**
- 8.) **Rational Functions And Expressions**
- 9.) **Solving Systems Of Equations**
- 10.) **Logarithms And Logarithmic Functions**
- 11.) **Linear Functions**
- 12.) **Quadratic Functions**
- 13.) **Variables & Equations**
- 14.) **Inequalities**
- 15.) **Functions & Equations**
- 16.) **Data Analysis & Probability**
- 17.) **Exponential Functions**
- 18.) **Rational Functions**
- 19.) **Systems Of Equations**
- 20.) **Logarithmic Functions**