

2011-2012 WHRO VideoClassroom Preview

Series Title:	Geometry Applications
Curriculum Area:	Math
Grades:	7-12
# of Programs/Length:	20/20:00 minute programs

To the ancient Greeks, Geometry literally meant "Earth measurement." In the spirit of Geometry as a global discipline, the Geometry Applications series travels the world in search of how it affects our lives. Although the core of Geometry involves abstract ideas, the Applications of Geometry are quite tangible. This series introduces students to different cultures and different periods of history, investigating architectural and cultural landmarks to explore key applications in human history and contemporary settings, utilizing demonstrations with the Texan Instruments TI-nspire graphing calculator.

- 1.) **Point In Space**
- 2.) **Lines In Space**
- 3.) **Angles**
- 4.) **Planes**
- 5.) **Triangles (5:00 Preview Segment)**
- 6.) **Right Triangles**
- 7.) **Quadrilaterals: Rectangles**
- 8.) **Parallelograms & Trapezoids**
- 9.) **Polygons: Basics**
- 10.) **Composite Figures**
- 11.) **Circles I**
- 12.) **Circles II**
- 13.) **3D I**
- 14.) **3D II**
- 15.) **Area And Volume I**
- 16.) **Area And Volume II**
- 17.) **Coordinate Geometry I**
- 18.) **Coordinate Geometry II**
- 19.) **Transformations I**
- 20.) **Transformations II**