



Digital Quest Inc.

“Introduction to Geospatial Technology” Table of Contents

1. What is Geospatial Technology?
 - PowerPoint presentation, text
 - Introduction to Geospatial Technology
 - Introduction to Geographic Information Systems (GIS)
 - Introduction to Global Positioning Systems (GPS) technology
 - Introduction to Remote Sensing (RS) technology
2. Where are the Jobs in Geospatial Technology?
 - PowerPoint presentation, text (explaining some jobs in detail), online job shadow activity
 - Virtual job shadow structure
 - List geospatial professional and user jobs in searching activity
3. Tools of Geospatial Technology.... Intro to ArcGIS ArcMap
 - Short introductory PowerPoint presentation, Software-based activity with text instructions
 - Intro ArcMap intro lesson teaching the basics of ArcMap and ArcCatalog
4. Get to know your State....
 - Software-based activity with text instructions to explore different types of geospatial data in local context
 - How well do you know your “home” state?
 - “Quiz” questions coupled with exploring geospatial data to “test your knowledge”

Applications in Geospatial Technology (based on 16 Career Cluster areas)

- Short introductory PowerPoint presentation, Software-based activity with text instructions
5. Transportation, Distribution & Logistics –Manage School Zones in Portland, OR
 6. Agriculture, Food & Natural Resources – Analyzing Soils for Precision Farming, in PA
 7. Law, Public Safety, Corrections & Security – Water Quality or Air Quality in Texas
 8. Health Care – For example, Mosquito Control; disease distribution of West Nile Slidell, LA
 9. Science, Technology, Engineering & Mathematics –Earthquakes in San Francisco, CA
 10. Hospitality & Tourism – Hyper linking photos of the Lincoln Park Zoo