**Case Study Assignment B – Mr. Gonzalez**

**Classroom Context:** This case study focuses on a third-grade teacher, Mr. Gonzalez, who is preparing a unit on algebraic terms. The class is composed of 22 students.

 **Background:** Mr. Gonzalez is a veteran teacher of 10 years who is reluctant to change his teaching style. He has successfully used the unit on algebraic terms for the past ten years, always presenting it in the same manner. Students have always enjoyed it. In the past, Mr. Gonzalez supplied a list of terms and had the students perform a scavenger hunt in the surrounding area. Students were instructed to find object that resembled each term such as; triangles, rectangles, and spheres. He had the students draw each object and write a detailed description. Mr. Gonzalez recently attended an in-district workshop where he learned the importance of integrating technology into his course. Mr. Gonzalez’s goal is to give his students a fun and interesting way of learning vocabulary terms. Mr. Gonzalez has a student that is dyslexic and a student that has Attention Deficit Hyperactivity Disorder (ADHD).

Appropriate drivers, plug-ins, interfaces, Web browsers and operating software for available hardware are already correctly installed on all classroom computers. A computer lab with Internet accessibility and networked printers are available. Also, 30 wireless notebook computers with Internet access are available for check out.

**Additional Available Technology List:**

**Hardware:** 2 networked scanners • Interactive whiteboard • 4 wireless microphones • 2 digital video cameras • 2 digital cameras • Projection device • 4 Webcams • 26 graphing calculators • 12 temperature probes that interface with the graphing calculators • Document camera • Braille printer • Switch with scanning capability • 12 microphone headsets • 12 portable media players • 2 handheld Global Positioning Units • Portable audience response system for 30 students **Software:** Video editing • Web page authoring • Presentation • Database • Concept mapping • Spreadsheet • Word processing • Optical character recognition • Graphics/photo editing • DVD/CD writing software • Digital storytelling software • Audio editing software • Web 2.0 technology • Screen reader software • Variety of collaborative online applications

**Task:** Mr. Gonzalez has asked you, in your role as MTT, for assistance in incorporating technology into the lesson to strengthen it. Describe the actions you would advise Mr. Gonzalez to take to accomplish his goals. In your response:

* Identify three technologies from the **additional available technology list** that would be appropriate for enhancing this lesson while addressing the diverse needs of all students. Explain why the technologies you identified are appropriate.
* Describe how you would support and guide Mr. Gonzalez in planning the lesson then evaluating student performance. Explain how your support and guidance would assist Mr. Gonzalez in achieving the goals of the lesson for all 22 students in the class.
* Describe how you would support and guide Mr. Gonzalez in implementing the integration of technology into the lesson.
* Describe how you would support and guide Mr. Gonzalez in evaluating the applications of technology in order to meet the goals of the lesson.
* Describe how a technology you identified might be used to enhance a lesson of your choosing in English or social studies.