Adapting Differentiated WebQuests for DHH Students

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GOAL

Meeting the challenge of providing independence with WebQuests by differentiation that is designed to support the various reading levels of DHH students in a self contained classroom.
As a result of this activity, the participant will be able to summarize WebQuest components.

As a result of this activity, the participant will be able to identify strategies for adapting WebQuests in their DHH classroom.

As a result of this activity, participants will be able to integrate a differentiated WebQuest in their Science classroom.
Differentiation

Integrating Differentiated Instruction and Understanding, by Carol Ann Tomlinson and Jay McTighe

- Develop and deepen student understanding of essential knowledge and/or skills.
- Provide opportunities to apply knowledge in a variety of levels.
- Identify essential knowledge and skills and communicate them effectively to all students.
- Adjust curriculum and assessments based on student achievement.
- Create meaningful interaction for all students that include: exploring, interpreting, applying, shifting perspectives, empathizing, and self-assessment.
- Use technology to support various learning needs.
Addressing DHH Language Delays in the Content Areas

- By fourth grade, preschool receptive vocabulary ability showed a direct effect on reading comprehension (Storch & Whitehurst, 2002).

- Students need purposeful vocabulary instruction including definitions, use in context and strategic reuse and practice (Diamond & Gutlohn, 2006).

- D/HH students learn best when new vocabulary instruction is limited to no more than 7 new words a week. (Targeting Vocabulary, Georgia Pathways Toolkit).

- The words we know best and remember the longest are those we have had real direct experience with, (Cunningham and Allington, 2011).

- D/HH students organize and retrieve information differently and they must have the opportunity to access content through alternative strategies as opposed to only the literacy print paths promoted by schools. (American Annalsof the Deaf (Wang, Y 2011).
WebQuests

- WebQuests were designed in 1995 and introduced at the National Educational Computing Conference in San Diego in 1998 by Bernie Dodge from San Diego State University.

- WebQuests are an interactive inquiry based learning tool designed to engage students through the use of previously chosen web resources.

- WebQuests can be designed to meet diverse student interests, background knowledge and abilities.
WebQuest Components

- **Introduction:** Activating Strategy
- **Process:** Steps for the students to complete
- **Task:** Final product expected from students
- **Resources:** Web sites and other resources
- **Evaluation:** Rubric for grading
- **Conclusion:** Summation and discussion
WebQuests Are….

- An interesting task the students can complete.
- Based on real Web resources.
- Interactive lesson requiring higher level thinking: synthesis, analysis, problem-solving, creativity and/or judgment.

http://webquest.org/index-create.php
WebQuests Are Not......

http://webquest.org/index-create.php

✧ A series of web experiences and games.
✧ Recording or summarizing information taken directly from websites.
✧ A simple science or mathematic procedure.
Weather Forecasting
WebQuest
Demonstration
Adapting Previously Created WebQuests

✧ Weather Forecasting WebQuest – adapted for a D/HH self contained classroom. Included on your DVD.


✧ Zunal WebQuest maker [http://zunal.com/](http://zunal.com/)


✧ WebQuest Templates [http://edweb.sdsu.edu/webquest/LessonTemplate.html](http://edweb.sdsu.edu/webquest/LessonTemplate.html)

References


- Carol Ann Tomlinson and Jay McTighe; (Copyright © 2006 ) Integrating Differentiated Instruction and Understanding by Design. Association for Supervision and Curriculum Development.

References


Weather Related Internet Resources

What is Weather
http://www.econet.org.uk/weather/whatis.html

National Oceanic and Atmospheric Administration
http://www.noaa.gov

Weather Bug
http://weather.weatherbug.com/GA/Lawrenceville-weather.html?zcode=z6286&zip=30042