

DIVERSIFIED MATERIALS

**Differentiation Strategies
for High-End Learners:
A Response to Instruction
For Elementary Teachers**

Pre-Assessment

What are Diversified Materials?



Pre-Assessment

- Have you ever used diversified materials?
 - A. Yes
 - B. No
 - C. Maybe
 - D. Not Sure

Pre-Assessment

- What are examples of diversified materials??

Diversified Materials-Advantages

❖ Meet special needs of gifted students:

❖ Accelerated pacing

❖ Depth

❖ Complexity

❖ Adds rigor to learning

❖ Challenges gifted students

❖ You are not alone!

❖ Gifted Specialists

❖ Media Specialist

❖ Curriculum Supervisors

❖ Middle-High School Teachers

Diversified Materials-Non-Negotiables

- ❖ Textbook is only a tool!
- ❖ Use Primary Source Documents when possible
- ❖ May need to meet in small group to teach how to use resources-
 - ❖ Gifted Specialist
 - ❖ Media Specialist
 - ❖ Another classroom teacher
 - ❖ Resource teachers
 - ❖ Curriculum Coaches



Diversified Materials-Primary Source

Diversified Materials – General

✧ <http://www.learner.org/#>

✧ <http://www.wolframalpha.com/>

✧ <http://www.google.com/squared>

✧ <http://www.whatshouldireadnext.com/>

✧ <http://www.openculture.com/freemoviesonline>

✧ <http://www.openculture.com/freeaudiobooks>

✧ TED- <http://www.ted.com/>

✧ <http://www.tenbyten.org/10x10.html>

✧ <http://theweekinrap.com/>

Diversified Materials-Science

✧ Primary Source Documents

✧ Secondary Source –

✧ Above grade level textbooks

Diversified Materials-Science

✧ <http://www.thefutureschannel.com>

✧ <http://www.ptable.com/>

✧ <http://www.google.com/sky/>

✧ <http://www.stormpulse.com/>

✧ <http://sciyo.com/>

✧ <http://sciencebooksonline.info/>

Diversified Materials-Math

✧ Primary Source Documents

✧ Secondary Source –

✧ Above grade level textbooks

Diversified Materials-Math

☆ <http://math.harvard.edu/~knill/mathmovies/index.html>

☆ <http://www.rpi.edu/~eglash/csdt.html>

☆ <http://www.wowmath.org/>

☆ <http://numbernut.com/>

Diversified Materials-Social Studies

✧ Primary Source Documents

✧ Secondary Source –

✧ Above grade level textbooks

Diversified Materials-Social Studies

✧ <http://www.wwnorton.com/college/history/america8/full/historytours.aspx>

✧ <http://www.worldmapper.org/>

✧ <http://nieonline.com/aaec/cftc.cfm>

✧ <http://www.besthistorysites.net/index.shtml>

✧ <http://cyberschoolbus.un.org/>

✧ <http://www.americanrhetoric.com/>

Diversified Materials – Language Arts

✧ Primary Source Documents

✧ Secondary Source –

✧ Above grade level textbooks

Diversified Materials – Language Arts

<http://googlelittrips.org/>

<http://www.planetebook.com/>

<http://www.readprint.com/>

Diversified Materials – Free Books

Books, documents, lecture notes - <http://www.e-booksdirectory.com/>

Search engine- <http://www.archive.org/bookserver>

Free Books and magazines- <http://books.google.com/>
<http://gooreader.com/>

News- <http://html5.labs.ap.org/>

Free Audio- <http://www.thoughtaudio.com/>

Free Audio Search Engine:

<http://www.booksshouldbefree.com/AudioOwl>

<http://librivox.org/>

http://www.openculture.com/free_textbooks

<http://www.loudlit.org>

<http://www.eoearth.org/>

Diversified Materials- Citizen Scientists

Bee Scientists- <http://www.greatsunflower.org/>

Butterflies of Alabama- <http://www.thebutterflysite.com/alabama-butterflies.shtml>

Cornell Lab of Ornithology (Nine different projects)-

<http://www.birds.cornell.edu/netcommunity/page.aspx?pid=1664>

FireFly Watch- https://www.mos.org/fireflywatch/about_firefly_watch

FrogWatch USA- <http://www.aza.org/frogwatch/>

Galaxy Zoo- Classifying galaxies for NASA!-

http://www.galaxyzoo.org/how_to_take_part

Journey North- <http://www.learner.org/jnorth/>

Life Desk (need permission for organization) - <http://www.lifedesks.org/>

Mars Student Imaging Project- <http://msip.asu.edu/>

Monarch Watch - <http://www.monarchwatch.org/>

Project BudBurst- <http://www.budburst.ucar.edu/index.php>

SETI- <http://setiathome.berkeley.edu/index.php>

Spring Wildlife Watch - <http://www.nwf.org/WildlifeWatch/Home.aspx>

StarChild (star count)-

http://www.windows2universe.org/citizen_science/starcount/

Star Dust @Home- <http://stardustathome.ssl.berkeley.edu/classroom.php>

Diversified Materials

- Upload your lesson plan to the Moodle Class website.
 - Elementary: <http://atim.cc/course/view.php?id=382>
- Teach the lesson
- Follow-Up:
 - Webinar to discuss the effectiveness of the lesson and how to continue improvement **Date: November 30, 2010**
 - WIKI to write a minimum of four paragraphs reflecting on the effectiveness of the lesson and how to continue improvement. In addition, post feedback to two other teacher postings.