Differentiated Instruction Across the Curriculum

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Session 2 of GUIDE to Differentiated Instruction will cover how Instruction and Assessment work together for the Delivery of differentiated instruction.

Great Commission

Understanding Differentiated Instruction

Instruction and Assessment work together

Delivery methods

Educate for Success – Powerful Products
What do You Wish to Learn Today?

<table>
<thead>
<tr>
<th>K</th>
<th>W</th>
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Key Principles of a Differentiated Classroom

- What matters in subject matter?
- Recognize, appreciate and build on student differences
- **Assessment and instruction are inseparable**
- Adjust content, process, and product in response to student readiness, interests, and learning profile
- All students participate in respectful work
Key Principles of a Differentiated Classroom

- Goals of a differentiated classroom are maximum growth and individual success
- Be Flexible
- Emphasize critical and creative thinking
- Be engaging
- Teachers and students are collaborators in learning.
Tiered Assignments

- Description of strategy – In a heterogeneous classroom, a teacher uses varied levels of activities to ensure that students explore ideas at a level that builds on their prior knowledge and prompts continued growth. Student groups use varied approaches to explore essential ideas.

- Create Learning Contracts
Low-Prep Differentiation

- Choices of books and materials
- Homework options
- Reading buddies
- Varied journal prompts
- Varied pacing
- Student-teacher goal setting
- Work alone/together
- Flipped Classroom

- Jigsaw
- Open-Ended activities
- Flexible seating
- Varied computer programs
- Varied modes of expression
- Varied note taking
- Varying graphic organizers
- Think-Pair-Share
- Collaboration, independence, cooperation
High-Prep Differentiation

- Tiered activities/labs
- Tiered products
- Class-wide peer tutoring
- Multiple texts
- Independent studies
- Alternative assessments
- Varied rubrics
- Stations
- Literature circles
- Tic-Tac-Toe
- Interest Circles
- Tiered Centers
- Learning contracts
- Multiple intelligences options
- Spelling by readiness
- Community mentors
- Teams, games, tournaments
- Group investigation
- Tape recorded materials
# Learning Strategies

- Graphic Organizers
- Mnemonics
- Assistive Technology
- Grading Rubrics

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<thead>
<tr>
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<th>Excellent</th>
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<th>Developing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thesis Statement</td>
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<td></td>
</tr>
<tr>
<td>Support</td>
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<td>Organization</td>
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Use Advance Organizers and Study Tools!!

- Graphic Organizers
- Pictures/Mapping
Jelly Fish

Five Paragraph Essay

HOO K PARAGRAPH: (2 sentences minimum)

_________________________
_________________________
_________________________

TOPIC SENTENCE

TOPIC SENTENCE

TOPIC SENTENCE

Concluding Sentence:

Concluding Sentence:

Concluding Sentence:

CONCLUDING PARAGRAPH: (2 sentences minimum)

_________________________
_________________________
_________________________

Common Transitions: One thing, One reason, Another, Also, In addition, Additionally, For example, For instance.
Time Transition Words: First, Next, After that, After a bit, After a while, During, Later, Then, When, Finally, At last.
**Hamburger**

**Hamburger Graphic Organizer**

**Topic Sentence:** ________________

(am, is, are, was, were)

<table>
<thead>
<tr>
<th>Detail</th>
<th>Reason / Example</th>
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**Concluding Sentence:** ________________

**TRANSITION WORDS:** One, Another, Also, Then, Next, After that, In addition, For example, For instance
MNUEMONICS for Writing

- COPS
  - Capitalization
  - Organization
  - Punctuation
  - Spelling
WRITE

Work from plan to develop thesis

Remember your goals.

Include transition words.

Try different sentence types

Exciting, interesting $100,000 words
Assistive Technology
Digital Voice Recorders

- Often students have a disconnect with the spoken and written word
- Solution - Record their thoughts
- Speaking to type computer programs
Think – Pair - Share

- What are some of the advanced organizers and study guides that you use?
- Do you use mnemonics, graphic organizers, etc?
A Vision of K-12 Schools Today
A Vision of K-12 Schools Today

https://www.youtube.com/watch?v=A-ZVCjfWF8
Ideas for Encouraging Creativity

- Rewrite Aesop fables
  (same moral with a human story)
- Found Poetry/Magnetic Poetry
- Mad-libs
Journal Writing

- Write, write, write...
- Respond to ideas (fortune cookies, poetry, etc)
- Free writing
- Varied Journal Prompts
- Guess what is in the box
Video Clips

- English 11th grade sample –
  - http://www.youtube.com/watch?v=oS45ZkIh_rA

- Elementary School Technology
  - http://www.youtube.com/watch?v=AqepSNNjowU
Jig Saw Activity

- Expert groups
- Share groups
Group Activity

- **EXPERT GROUP**
  - Pick one of the low preparation ideas as a group.
  - **TAKE NOTES** (for share group)
    - Describe your understanding of the technique.
    - Give an example of how it can be used in your grade level/discipline.
    - Write down the ideas of everyone in the group.

(details of this activity or whether or not it can be accomplished will depend on the numbers that come to this session).
Share Group

- Get with members of expert groups that chose a different technique from your group.
- Share the technique that you chose and the ideas of your group.
I will....

- Do at least three low preparation differentiated instruction of ______________________, ______________________, and ______________________.

- Do at least one high preparation differentiated instruction of ______________________.
Websites - Resources

- **Graphic Organizers** - [http://www.enchantedlearning.com/graphicorganizers](http://www.enchantedlearning.com/graphicorganizers)


- **Differentiated Instruction** - [http://www.ascd.org/pdi/demo/diffinstr/differentiate.html](http://www.ascd.org/pdi/demo/diffinstr/differentiate.html)

- **Learning Disabilities** – [http://www.ldonline.org](http://www.ldonline.org)


- **Carol Tomlinson’s books** – leading researcher
Websites - Resources

- Spelling City – Spelling by readiness
  http://www.spellingcity.com/
### Science
- Building A Structure
- Lab Report
- Science Fair Experiment
- Scientific Drawings

### Research & Writing
- 6+1 Trait Writing Model
- Book Jacket Report
- Group Planning -- Research Project
- Letter-Writing
- North Carolina Writing Rubric for Content and Conventions
- Persuasive Essay
- Research Report
- Story Writing

### Work Skills
- Collaborative Work Skills
- Self-Evaluation of Participation
- In Music

### Math
- Graphing
- Math - Problem Solving

### Art
- Analysis of A Work of Art
- Art History
- Creating a Painting
- Making A Collage
- Making A Mask
- Mural
- Stage Design

### Music
- Classical Concert Etiquette
- Designing and Making An Instrument
- Elementary General Music Rubric for Standards & Benchmarks
- Instrumental - Individual: Concert Music - Percussion
- Instrumental Music Performance - Individual
- Musical Theater Production
- Music - Composition
<table>
<thead>
<tr>
<th>Category:</th>
<th>4</th>
<th>3</th>
<th>2</th>
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<tr>
<td>Ideas/Research Questions</td>
<td>Researchers independently identify at least 4 reasonable, insightful, creative ideas/questions to pursue when doing the research.</td>
<td>Researchers independently identify at least 4 reasonable ideas/questions to pursue when doing the research.</td>
<td>Researchers identify, with some adult help, at least 4 reasonable ideas/questions to pursue when doing the research.</td>
<td>Researchers identify, with considerable adult help, 4 reasonable ideas/questions to pursue when doing the research.</td>
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<td>Delegation of Responsibility</td>
<td>Each student in the group can clearly explain what information is needed by the group, what information s/he is responsible for locating, and when the information is needed.</td>
<td>Each student in the group can clearly explain what information s/he is responsible for locating.</td>
<td>Each student in the group can, with minimal prompting from peers, clearly explain what information s/he is responsible for locating.</td>
<td>One or more students in the group cannot clearly explain what information they are responsible for locating.</td>
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</tbody>
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### National Library of Virtual Manipulatives

**Cliquez ici pour visiter ce site web en français**

*Virtual Library* | *About* | *eNLVM* | *Buy Now!*
---|---|---|---
**Download New Free Trial Version 3.0!**

<table>
<thead>
<tr>
<th>Index</th>
<th>Pre-K – 2</th>
<th>3 – 5</th>
<th>6 – 8</th>
<th>9 – 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number &amp; Operations</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algebra</td>
<td></td>
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<td>Geometry</td>
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<td>Measurement</td>
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<td>Data Analysis &amp; Probability</td>
<td></td>
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Algebra (Grades Pre-K - 2)

Virtual manipulatives for Algebra, grades Pre-K - 2.

- **Algebra Tiles** - Visualize multiplying and factoring algebraic expressions using tiles.
- **Color Patterns** - Arrange colors to complete a pattern.
- **Fifteen Puzzle** - Solve this virtual version of the classical fifteen puzzle by arranging its tiles.
- **Pattern Blocks** - Use six common geometric shapes to build patterns and solve problems.
- **Pentominoes** - Use the 12 pentomino combinations to solve problems.
- **Polyominoes** - Build and compare characteristics of biominoes, triominoes, quadrominoes, etc.
- **Triominoes** - Manipulate the puzzle pieces and find multiple solutions.
- **Turtle Rectangles** - Change variables to observe differences in spiral designs.
Educational Music

Full Song List | Streaming Audio

Song Samples

The Most Engaging Educational Music on the Planet

Our educational music library starts with five albums of rap/hip-hop and pop songs. Each song page has lyrics, related links, and state standards.

Albums – downloads and physical CDs
Box Set | Science Songs | Math Songs | English Language Arts Songs | Social Studies Songs | Economics

Themed Collections – downloads
Singles | Grammar Goodies | Our U.S. Government | Black History Month | Pi Day | Reading Month | Earth Day

Core Subject Albums

Box Set – $59.99 or 69.98
All four core albums in one!

Download or Order CDs

Math – $19.98 or $22.98
10 songs, lyrics, and PDF custom-made quizzes and games

Download or Order CD

Science – $15.98 or $22.98

Try RRR.fm Unlimited
RRR.fm subscriptions provide instant access to our music library 24 hours a day. 7 days a week for teachers and all students.
Start today for less than $5/month!
Learn more.
Spelling by Readiness

- **Strengths**
  - Tailored to students needs
  - Use content words; cross curricular
  - Setting up students for success

- **Weaknesses**
  - Time consuming for teachers
  - High vs Low level students
  - Takes up valuable class time
What do You Wish to Learn Today?

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<tr>
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  @Specialeduc8r

- **Facebook**
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