Instructional Methods
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Bloom’s Taxonomy

- An analysis used as a basis for understanding and teaching various levels of thought by dividing thinking skills into six levels

<table>
<thead>
<tr>
<th>Knowledge</th>
<th>Comprehension</th>
<th>Application</th>
<th>Analysis</th>
<th>Synthesis</th>
<th>Evaluation</th>
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</thead>
<tbody>
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<td>• Defines</td>
<td>• Comprehends</td>
<td>• Applies</td>
<td>• Analyzes,</td>
<td>• Categorizes</td>
<td>• Appraises</td>
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<td>• Describes</td>
<td>• Estimates</td>
<td>• Constructs</td>
<td>• Breaks down</td>
<td>• Compiles</td>
<td>• Concludes</td>
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<td>• Knows</td>
<td>• Distinguishes</td>
<td>• Demonstrates</td>
<td>• Compare/contrasts</td>
<td>• Creates</td>
<td>• Criticizes</td>
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<td>• Lists</td>
<td>• Generalizes</td>
<td>• Discovers</td>
<td>• Diagrams</td>
<td>• Designs</td>
<td>• Critiques</td>
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<tr>
<td>• Knows</td>
<td>• Interprets</td>
<td>• Predicts</td>
<td>• Differentiates</td>
<td>• Generates</td>
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<td>• Recalls</td>
<td>• Paraphrases</td>
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<td>• States</td>
<td>• Predicts</td>
<td>• Relates</td>
<td>• Infers</td>
<td>• Summarizes</td>
<td>• Justifies</td>
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</tbody>
</table>

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Engage Learners in Critical Thinking

- Gives student real-world application
- Allows student to respond to variety of situations
- Encourages students to facilitate their own learning
Key Instructional Methods

- Questioning
- Use examples
- Pacing
- Achieving closure
Teaching Strategies

- Teacher-centered
- Student-centered
Indicators of Good Teaching

- Students are engaged in big ideas
- Students are planning their own learning
- Students are actively involved in their own learning
- Students are involved in real life activities
- Students are involved in editing and polishing their own work to enhance their learning
- Students are reflecting on their own lives and what they believe
Examples of Student Centered Learning Activities
Cooperative Learning Groups

- Encourages critical thinking
- Collaborative setting
- Allows individual accountability
Reflections

- Review what was learned
- Analysis of learning
- Application to real world
Lab Experiences

- Real-world experiences
- Critical thinking
- Student-centered learning
Project Based Learning

- Higher level thinking
- Hands-on
- Personal reflection
QUESTIONS?
References


