Team-Based Learning in Nursing Fundamentals in an Accelerated Master’s Direct Entry Program

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Objectives

- Identify the steps of the Team-Based Learning (TBL) instructional strategy
- Describe learner attributes developed through TBL
- Discuss the implementation of TBL in one nursing curriculum
Team-Based Learning

Larry K. Michaelsen

- Large class ≠ Case-based scenarios, Socratic questioning

- Prepared for class
- Engaged
- Solve Problems
- Feedback

Constructivist Learning Theory
- Learner-centered
- Problem-solving activities
- Interaction with other learners
- Reflection in action and on action
TBL: How does it work

**Application Activity**
- Problem-solving activity during class.
- Problem is valued by the learner.
- All teams work on the same problem.
- Team must select a specific choice for the correct answer to solve the problem.
- Teams present and defend their solution to the class.

(Parmalee & Michaelsen, 2008)
Team Based Learning in Nursing

- Critical Thinking
- Teamwork and Collaboration

- Peer Communication
- Shared Decision-Making
- Accountability for Learning
- Learner Satisfaction

✓ Med-Surg
✓ Critical Care
✓ Community
✓ Obstetrics

Heidi Mennenga, PhD, RN
Team-Based Learning Student Assessment Instrument
TBL SAI
Columbia University School of Nursing

- Master’s Direct Entry Program (MDE)
  - Prelicensure
  - 200 students
  - 15 month program (June-August)
  - Degree: MS in Nursing
Team Based Learning in Fundamentals

The Logistics

- 200 students -> 40 teams
  - Welcome letter identifies team assignment
  - Welcome letter lists required reading for first class
- Designated seats in auditorium for team
- Each TA assigned 10 teams of 50 students

Learning Management System

- iRAT & tRAT
- MP4s
- Cases (patient SBAR, chart, labs, etc.)
# TBL Focus: The Nursing Process

<table>
<thead>
<tr>
<th>Step</th>
<th>Week 1</th>
<th>Week 2</th>
<th>Week 3</th>
<th>Week 4</th>
<th>Week 5</th>
<th>Week 6</th>
<th>Week 7</th>
<th>Week 8</th>
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<tbody>
<tr>
<td>Assessment</td>
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<td>QI &amp; EBP</td>
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Assignment – Progressive Concept Map and Care Plan
### Weekly Schedule

**8 weeks in June & July**

<table>
<thead>
<tr>
<th>Monday</th>
<th>8:00 am</th>
<th>Class begins</th>
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<tbody>
<tr>
<td>9:00 am</td>
<td>Complete iRAT on Canvas</td>
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<tr>
<td>10:30 am</td>
<td>Move to team seats</td>
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<td>Complete tRAT on Canvas</td>
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<tr>
<td>10:35 am</td>
<td>Available on Canvas</td>
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<td></td>
<td>• Previous week’s graded assignment with TA comments</td>
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<td>• Exemplar of previous week assignment</td>
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<td>• Upcoming assignment and chart</td>
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<tr>
<td></td>
<td>• MP4 (next step in nsg process)</td>
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<tr>
<td>11:00 am</td>
<td>Team meeting -&gt;</td>
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<td></td>
<td>• Review previous week</td>
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<td></td>
<td>• Plan upcoming week</td>
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<td></td>
<td>Class resumes until 12:00 p</td>
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<tr>
<th>Wed/Thu</th>
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<tr>
<td>Various times</td>
<td>Mini-simulation (x 4 wks)</td>
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<td>(&lt;10 minutes + 20 min debrief)</td>
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<tr>
<td>Saturday</td>
<td>Assignment due</td>
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<td>11:59 pm</td>
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| Sunday   | TAs grade assignment against an exemplar |

- Peer evaluation at mid-term and final
Applying the Nursing Process in Week 1

Week 1 iRAT

1. Nursing Assessments have the same components as medical assessments but with less detail.  
   T/F
2. A ______ assessment is conducted to gather data about a specific health concern.
3. The nurse completes a health history and physical assessment on a patient who is admitted to the hospital for surgery. What is the purpose of this assessment?  
   M/C
4. What is the primary patient benefit of the nurse using the nursing process?  
   M/C
5. Which of the following are part of the assessment phase of the nursing process?  
   SELECT ALL THAT APPLY  
   M/C

Goals of team mini-simulation:
- Establish a therapeutic relationship
- Obtain vital signs
Evaluation

I spent time studying before team meetings in order to be more prepared.

I was proud of my ability to assist my team in their learning.

I remembered material better after the assignment used team-based learning.

I think team-based learning activities are an effective approach to learning.
Student Response to Team-Based Learning

Awesome!
I love my team!
Everyone really works well together.
Everyone is prepared for our meetings.
We have really good discussions.
I learned a lot from my team.
References


Questions?