

Learner Centered Approach in Medical Education

Professor Hirotaka Onishi

M1 Student

Gulmetova Komola

05.25.22



Content:

1. **PROBLEM: Teacher Centered Approach**
2. **Teacher - Centered Paradigm:**
3. **SOLUTION: Learner Centered Approach**
4. **Barriers**
5. **Students - Centered Paradigm:**
6. **Comparison**

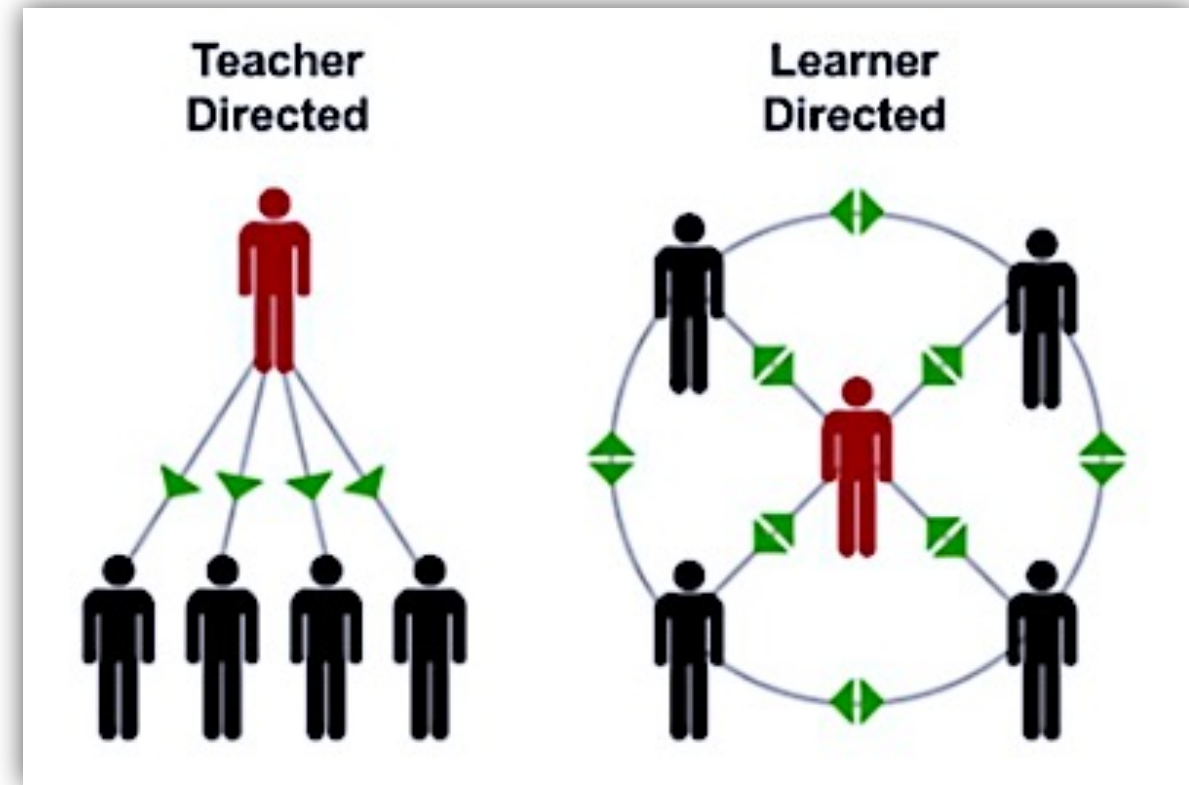
Teacher Centered Approach

Teacher-centered learning refers to educational settings where the teacher assumes authority over the content students are taught and the methods they use to study it. This control extends to determining when, where, how, and the pace at which students engage with the material.

In 2015, a study conducted on 30 faculty members from various fields at Zanzan Medical University revealed that the majority of instructors (90%) continued to employ traditional/teacher-centered methods within the University. This was the case even though there was a growing demand for a transition towards learner-centered approaches

Learner-centered or teacher-centered? medical teachers ... - researchgate. (n.d.). Retrieved May 24, 2022, from https://www.researchgate.net/publication/317179565_Learner-Centered_or_Teacher-Centered_Medical_Teachers'_Preferences_a_Pilot_Study

Study of passive didactic teacher centered approach and an active ... (n.d.). Retrieved May 24, 2022, from https://www.researchgate.net/publication/282468334_STUDY_OF_PASSIVE_DIDACTIC_TEACHER_CENTERED_APPROACH_AND_AN_ACTIVE_STUDENT_CENTERED_APPROACH_IN_TEACHING_ANATOMY



<https://1.bp.blogspot.com/-BrY3aS7ZYhA/XC4bOP00DXI/AAAAAAAAAHtM/j0FH-o0IL8A8bBNTZoMqhyvG-qIhDq6dQCLcBGAs/s1600/Teacher%2BCentered.PNG>

Teacher - Centered Paradigm:

1. Active teacher,
2. Passive students,
3. Emphasis is on acquisition of knowledge outside the context in which it will be used,
4. Professor- primary evaluator and information giver ,
5. Teaching and assessing are **separate**,
6. **Assessment** is used to monitor learning,
7. Emphasis is on **right** answers,
8. Desired learning is assessed indirectly through the use of objectively scored tests,
9. Focus on **discipline**,
10. **Competitive** culture,
11. Only students are viewed as learners.



Solution

The transition from the traditional teacher-centered approach, where the focus is on the teachers and their teachings, to a student-centered approach, where the emphasis is on the students and their learning, necessitates a fundamental shift in the educator's role. The educator transforms from being a didactic teacher



HARDEN, R., SOWDEN, S. U. S. E. T. T. E., & DUNN, W. (1984). Educational strategies in curriculum development: The spices model. *Medical Education*, 18(4), 284–297. <https://doi.org/10.1111/j.1365-2923.1984.tb01024.x>

<https://www.schoology.com/blog/student-centered-learning-cycle>

Barriers

1. The ongoing issues of conflict in delivering services.
2. The prevalent culture of prioritizing research over other aspects in most medical schools.
3. Insufficient allocation of resources for faculty development.
4. College/university classrooms heavily favoring instructor-centered approaches

TEACHER-CENTERED vs STUDENT-CENTERED LEARNING

ELEMENTS	TEACHER-CENTERED	STUDENT-CENTERED
KNOWLEDGE	Transmitted from Instruction	Constructed by Students
STUDENT PARTICIPATION	Passive	Active
ROLE OF LECTURER	Leader/Authority	Facilitator/Partner in Learning
ROLE OF ASSESSMENT	Few Tests, Mainly for Grading	Many Tests, for Ongoing Feedback
EMPHASIS	Learning Correct Answers	Developing Deeper Understanding
ASSESSMENT METHOD	One-Dimensional Testing	Multidimensional Testing
ACADEMIC CULTURE	Competitive, Individualistic	Collaborative, Supportive

Project #1: Supporting the needs of all learners. ASHFORD MATLT PROGRAM. (n.d.). Retrieved May 25, 2022, from <https://morganmittelbrunmatltportfolio.weebly.com/project-1-supporting-the-needs-of-all-learners.html>

Learner Centered Approach

Various studies have consistently demonstrated that student-centered methods outperform the traditional teacher-centered approach across different aspects of instruction. Whether the focus is on short-term mastery, long-term retention, depth of understanding, critical thinking, creative problem-solving, positive attitudes towards the subject, or confidence in knowledge and skills, student-centered learning proves to be more effective. This approach necessitates active and responsible engagement from students, allowing them to determine their own pace of learning.



Students - Centered Paradigm:

1. Students construct knowledge through gathering and synthesizing information,
2. Active students,
3. Emphasis is on using and communicating knowledge effectively,
4. Professor- coach and facilitator,
5. Professor and students evaluate learning together,
6. Teaching and assessing are intertwined,
7. Assessment diagnose learning,
8. Better questions and learning from errors,
9. Desired learning is assessed directly through papers, projects, performances, portfolios,
10. Approach is compatible with interdisciplinary investigation,
11. Cooperative culture,
12. Professor learn together with students

Comparison

TEACHER CENTERED	LEARNER CENTERED
Teacher centered approach is an approach that encourages students to completely focus on their educator	Learner centered approach is an approach where both the educators and the students share an equal focus
Focus is on the educator	Both the educator and learner have an equal focus
Educator talks, and students continue to listen and remain silent	Student-student and teacher-student collaboration and communication is encouraged
Prevents learners from expressing themselves and discourages them from asking questions and logical engagement in self-learning	Gives learners the freedom to acquire knowledge independently and logically by asking questions
Classrooms usually have a strict and orderly nature	Classrooms can often get chaotic and noisy

Anuradha. (2021, December 13). *What is the difference between teacher centered and learner centered approach.* Pediaa.Com. Retrieved May 25, 2022, from <https://pediaa.com/what-is-the-difference-between-teacher-centered-and-learner-centered-approach/>

If you had a chance to choose the best approach, which you would choose?

A) Teacher Centered Approach

B) Learner Centered Approach