2019-01-03: How Do We Train Faculty to Teach in a Learner-Centered Environment?

The following links were shared during the chat:

- Which is Best: Teacher-Centered or Student-Centered Education? [https://education.cu-portland.edu/blog/classroom-resources/which-is-best-teacher-centered-or-student-centered-education/](https://education.cu-portland.edu/blog/classroom-resources/which-is-best-teacher-centered-or-student-centered-education/)
- Five Characteristics of Learner-Centered Teaching [https://www.facultyfocus.com/articles/effective-teaching-strategies/five-characteristics-of-learner-centered-teaching/](https://www.facultyfocus.com/articles/effective-teaching-strategies/five-characteristics-of-learner-centered-teaching/)
- Learner Centred Approaches in Medical Education [https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1115656/](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1115656/)
- Confessions of a Converted Lecturer [https://www.physport.org/NFW/Mazur.cfm](https://www.physport.org/NFW/Mazur.cfm)

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**MedEd Chat @MedEdChat 8 hours ago**

Welcome to the [#mededchat](http://) (US) I am your moderator for the next hour @alliance4clined #meded

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**MedEd Chat @MedEdChat 8 hours ago**

The [#mededchat](http://) topic & questions will be announced in a moment...for now, please introduce yourselves #meded

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**MedEd Chat @MedEdChat 8 hours ago**

If you are tuning in to the [#mededchat](http://), remember to use the #meded AND #mededchat hashtag and try to answer with the Topic numbers (T1, T2, T3)

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**MedEd Chat @MedEdChat 8 hours ago**

We will assume that all of your tweets are your own during this hour unless otherwise stated #meded #mededchat

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**MedEd Chat @MedEdChat 8 hours ago**

T1: What do we mean by learner-centered teaching? #mededchat #meded

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**Heather Paladine @paladineh 8 hours ago**

Hi, it’s Heather, #FamilyMedicine residency director in NYC. I took a nap so I’m ready for the #MedEdChat #meded !

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**Dr Samer Al-Bothaigi @SalemSamer 8 hours ago**

RT @MedEdChat: T1: What do we mean by learner-centered teaching? #mededchat #meded

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**MedEd Chat @MedEdChat 8 hours ago**

@paladineh Welcome to #mededchat
Any teaching/learning methods based on constructivist educational theory can be considered as learner-centered teaching. Accommodation and assimilation are the key things in constructivism.

Gary Beck Dallaghan likes the suggestions presented in this blog.

A.J. Kleinheksel says learner-centered instruction is the collaborative and engaging process of co-constructed knowledge between teachers and learners.

Kristina Dzara checks in for the discussion.

Gary Beck Dallaghan asks if there is some fear amongst faculty that learner-centered approaches are less effective.
RT @MedEdChat: If you are tuning in to the #mededchat, remember to use the #meded AND #mededchat hashtag and try to answer with the Topic n...

RT @MedEdChat: We will assume that all of your tweets are your own during this hour unless otherwise stated #meded #mededchat

RT @MedEdChat: T1: What do we mean by learner-centered teaching? #mededchat #meded

Hi, it’s Heather, #FamilyMedicine residency director in NYC. I took a nap so I’m ready for the #MedEdChat #meded! https://t...

Apologies in advance if I have to dip in and out; I’m also on puppy duty tonight. #MedEdChat https://t.co/wG3EaSVnVh

T1 Is there some truth to this? "Because students learn on their own, they learn independence and make their own decisions" https://t.co/CCrLf740pd #mededchat

Apologies in advance if I have to dip in and out; I’m also on puppy duty tonight. #MedEdChat https://t.co/wG3EaSVnVh

In the 90s and 00s there was a reframing of patient centered care to relationship centered care. Maybe we need the equivalent- “relationship centered education” #mededchat https://t.co/olGGcIZ1nK

T1 Is there some truth to this? "Because students learn on their own, they learn independence and make their own decisions" https://t.co/CCrLf740pd #mededchat

Yes, particularly among those who hold the “transmission” perspective in @Danieldpratt’s framework: https://t.co/JOAjrEmrMr #mededchat

Students can learn content knowledge on their own, but they need coaching to develop the cognitive structures and processes necessary to integrate and apply that knowledge. #metacognition4life #MedEdChat
MedEd Chat @MedEdChat 7 hours ago
T2: What are the best methods of teaching in learner-centered environments? #mededchat #meded

Gary Beck Dallaghan @GLBDallaghan 7 hours ago
@DrJohn5885 That is true. Developing learner-centered educational activities does take a lot more time and preparation than a lecture. Is there evidence this is a superior approach to teaching? #mededchat

Paul Haidet @myheroistrane 7 hours ago
A1: If I tell it to you, you’ll remember it tomorrow. If u discover it for yourself, you’ll remember it next year. I believe our job as educators is to create the conditions that maximize the chances that learners will grow, and discover for themselves. #mededchat

Gary Beck Dallaghan @GLBDallaghan 7 hours ago
@MedEdChat T2 Even though this article is 20 years old, it still has solid ideas for learner-centered teaching. https://t.co/KWqlv8s2Rp #mededchat

Dr. Sateesh Arja @ArjaSateesh 7 hours ago
@MedEdChat #mededchat T2 Any teaching methods that are focused on skills, professionalism, and lifelong learning are the best for Learner-Centered environment. #meded

MedEd Chat @MedEdChat 7 hours ago
RT @GLBDallaghan: @MedEdChat T2 Even though this article is 20 years old, it still has solid ideas for learner-centered teaching. https://t...

MedEd Chat @MedEdChat 7 hours ago
RT @myheroistrane: A1: If I tell it to you, you’ll remember it tomorrow. If u discover it for yourself, you’ll remember it next year. I bel...

Paul Haidet @myheroistrane 7 hours ago
Well, I’m partial to #teambasedlearning ... #mededchat @TBLearning

MedEd Chat @MedEdChat 7 hours ago
T2 Are there new and emerging uses of #edtech that could be harnessed for learner-centered teaching? #mededchat

John Lowry @DrJohn58857 7 hours ago
RT @MedEdChat: T2: What are the best methods of teaching in learner-centered environments? #mededchat #meded

A.J. Kleinheksel @AJKleinhex 7 hours ago
T2 The best method, as sung flawlessly by Julie Andrews, is to start at the very beginning: curriculum design. But then you’ll also need iterative and responsive development for individual courses and modules. #mededchat

Larry Hurtubise @hur2buzy 7 hours ago
#mededchat seems like AR and VR and Gamification could be harnessed for learner centered education
Dr. Sateesh Arja  @ArjaSateesh7 hours ago
@MedEdChat T2 PBL, case-based discussions, TBL, SDL, and Simulation-based learning are good examples of learner-centered educational environments #mededchat

Larry Hurtubise @hur2buzv7 hours ago
And a spoon full of sugar ;-) #MedEdChat

MedEd Chat @MedEdChat7 hours ago
RT @ArjaSateesh: @MedEdChat T2 PBL, case-based discussions, TBL, SDL, and Simulation-based learning are good examples of learner-centered e...

MedEd Chat @MedEdChat7 hours ago
RT @hur2buzv: #mededchat seems like AR and VR and Gamification could be harnessed for learner centered education https://t.co/DthvSRpCQ1

Paul Haidet @myheroistrane7 hours ago
Hey baby, it’s one of my favorite things. #Mededchat

A.J. Kleinheksel @AJKleinhex7 hours ago
T2 Also worth pointing out that we can't teach (or co-construct) cognitive flexibility of we aren't flexible in our pedagogies. We have to be comfortable with uncertainty and failure in dynamic learning environments. #mededchat

Gary Beck Dallaghan @GLBDallaghan7 hours ago
@myheroistrane @AJKleinhex Agreed. @deefink has phenomenal work that could be applied to #meded #mededchat

Kristina Dzara, PhD, MMSc @kristinadzara7 hours ago
#mededchat I just taught two sections of healthcare research to undergrads. I continually asked them for feedback, and tried to incorporate it or was transparent why I couldn’t. It gave them a sense of cocreation and safety. We had a great term. :)

Paul Haidet @myheroistrane7 hours ago
@AJKleinhex We CAN create conditions (expectations, incentive systems, etc) to foster a growth mindset... #mededchat

Gary Beck Dallaghan @GLBDallaghan7 hours ago
@AJKleinhex T2 We do, but how do you help the faculty member who is of a certain age get comfortable with that? #mededchat

Gary Beck Dallaghan @GLBDallaghan7 hours ago
RT @myheroistrane: @AJKleinhex We CAN create conditions (expectations, incentive systems, etc) to foster a growth mindset... #mededchat
Paul Ko, MD @kop_MD 7 hours ago
T2 any pedagogy that leads to learner engagement. #mededchat

Kristina Dzara, PhD, MMSc @kristinadzara 7 hours ago
@AJKleinhex #mededchat and recognizing that teachers can ABSOLUTELY learn from learners!

MedEd Chat @MedEdChat 7 hours ago
RT @kristinadzara: #mededchat I just taught two sections of healthcare research to undergrads. I continually asked them for feedback, and t...

Kristina Dzara, PhD, MMSc @kristinadzara 7 hours ago
@hur2buzy If not cognitively overloading. Have to find a balance. #mededchat

MedEd Chat @MedEdChat 7 hours ago
RT @kop_MD: T2 any pedagogy that leads to learner engagement. #mededchat

Kristina Dzara, PhD, MMSc @kristinadzara 7 hours ago
RT @MedEdChat: T2: What are the best methods of teaching in learner-centered environments? #mededchat #meded

Paul Haidet @myheroistrane 7 hours ago
@GLBDallaghan @AJKleinhex Dude, I’M of a certain age... #mededchat

Heather Paladine @paladineh 7 hours ago
@GLBDallaghan @AJKleinhex Yes! Are there any examples or how-to guides to share with faculty? The articles was very interesting but it would be helpful to have something more basic to get instructors to move away from lectures. #meded #MedEdChat

Larry Hurtubise @hur2buzy 7 hours ago
Here are some thoughts on significant learning in Med Ed from friends of yours #MedEdChat https://t.co/GQwXE1FbVD

Gary Beck Dallaghan @GLBDallaghan 7 hours ago
@kristinadzara @AJKleinhex How do you help other faculty members recognize and appreciate this part of teaching? I know some who feel threatened by the notion they are no longer sage on the stage #mededchat

MedEd Chat @MedEdChat 7 hours ago
RT @hur2buzy: Here are some thoughts on significant learning in Med Ed from friends of yours #MedEdChat https://t.co/GQwXE1FbVD https://t:...

Paul Haidet @myheroistrane 7 hours ago
@paladineh @GLBDallaghan @AJKleinhex Check out the #teambasedlearning collaborative for one particular paradigm: https://t.co/MDn0cuTCnp#mededchat @TBLearning
T3: How important is reflection in learner-centered education? #mededchat #meded

Dr. Sateesh Arja @ArjaSateesh
Healthcare research which promotes life-long learning (practice-based learning) and self-directed learning itself is a good example of Learner-Centered environment #mededchat

Larry Hurtubise @hur2buzyl
Seems like the empty lecture halls should cure us of that feeling #MedEdChat

Larry Hurtubise @hur2buzyl
RT @ArjaSateesh: Healthcare research which promotes life-long learning (practice-based learning) and self-directed learning itself is a good example of Learner-Centered environment #mededchat

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MedEd Chat @MedEdChat
RT @myheroistrane: Check out the #teambasedlearning collaborative for one particular paradigm: https://... #mededchat

Eric Holmboe @boedudley
RT @myheroistrane: A1: If I tell it to you, you’ll remember it tomorrow. If u discover it for yourself, you’ll remember it next year. I bel...

A.J. Kleinheksel @AJKleinhex
Technology is a tool. Learner-centered is a state of mind. #MedEdChat

Gary Beck Dallaghan @GLBDallaghan
I agree. I'm just trying to figure out how to be respectful of the faculty member to figure out a way to convince them to move in this direction without posing professional identity threats. #mededchat

Paul Haidet @myheroistrane
@ericmazur tells a great story about his transformation when he started asking himself what his learners could actually do at the end of his courses: https://t.co/aGivE08j96 #mededchat

A.J. Kleinheksel @AJKleinhex
Model the behavior, measure and reward the outcomes, and nurture the culture. You know, the easy stuff. #MedEdChat

MedEd Chat @MedEdChat
RT @AJKleinhex: Model the behavior, measure and reward the outcomes, and nurture the culture. You know, the ea...

Paul Haidet @myheroistrane
RT @AJKleinhex: Technology is a tool. Learner-centered is a state of
Kristina Dzara, PhD, MMSc @kristinadzara7 hours ago
@GLBDallaghan @AJKleinhex Honestly Gary I think it takes a good bit of confidence and certainly some bravery. It is not easy to demonstrate 'weakness' when someone is an 'expert.' #mededchat

Kristina Dzara, PhD, MMSc @kristinadzara7 hours ago
RT @AJKleinhex: @GLBDallaghan @kristinadzara Model the behavior, measure and reward the outcomes, and nurture the culture. You know, the ea...

MedEd Chat @MedEdChat7 hours ago
RT @myheroistrane: @ericmazur tells a great story about his transformation when he started asking himself what his learners could actually...

Paul Haidet @myheroistrane7 hours ago
It’s everything. No reflection, no #learning. #mededchat

MedEd Chat @MedEdChat7 hours ago
RT @kristinadzara: @GLBDallaghan @AJKleinhex Honestly Gary I think it takes a good bit of confidence and certainly some bravery. It is not...

John Lowry @DrJohn58857 hours ago
RT @GLBDallaghan: @myheroistrane @AJKleinhex Agreed. @deefink has phenomenal work that could be applied to #meded #mededchat

Kristina Dzara, PhD, MMSc @kristinadzara7 hours ago
RT @MedEdChat: T2: Are there new and emerging uses of #edtech that could be harnessed for learner-centered teaching? #mededchat

Gary Beck Dallaghan @GLBDallaghan7 hours ago
@myheroistrane How do we help build those reflection skills? #mededchat

Paul Ko, MD @kop MD7 hours ago
@hur2buz The empty lecture should be motivation but faculty are quick to shift blame on 'this generation' of students #mededchat

Paul Haidet @myheroistrane7 hours ago
@kristinadzara @GLBDallaghan @AJKleinhex Agreed, Kristina. It represents no less than a paradigm shift for many of us who learned in the old system. #mededchat

Kristina Dzara, PhD, MMSc @kristinadzara7 hours ago
RT @MedEdChat: T3: How important is reflection in learner-centered education? #mededchat #meded
Kristina Dzara, PhD, MMSc @kristinadzara7 hours ago
@MedEdChat I think we as educators have to make sure that we indicate to our learners that it IS essential AND offer them opportunities for reflection continually, especially if having a long term learning experience. #MEDEDC HAT

Paul Ko, MD @kop_MD7 hours ago
@GLBDallaghan @myheroistrane Starts with fostering a learning environment that encourages it. Ok to show vulnerability and weakness that is not punitive (ie tied to a grade) #mededchat

Paul Haidet @myheroistrane7 hours ago
@GLBDallaghan I try to search for those elegant, important, beautiful questions. The ones that learners can’t help themselves and just have to engage with. They’re elusive sometimes though. #mededchat

Kristina Dzara, PhD, MMSc @kristinadzara7 hours ago
RT @myheroistrane: It’s everything. No reflection, no #learning. #mededchat https://t.co/laPpeYcD0M

Kristina Dzara, PhD, MMSc @kristinadzara7 hours ago
RT @GLBDallaghan: @kristinadzara @AJKleinhex How do you help other faculty members recognize and appreciate this part of teaching? I know...

Paul Haidet @myheroistrane7 hours ago
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A.J. Kleinheksel @AJKleinhex7 hours ago
T3 Self-reflection is a critical component of any constructivist learning theory, esp transformative learning. But the trick in learner-centered instruction is that the teacher has to reflect as well; both to model the behavior and to learn and grow themselves. #mededchat

MedEd Chat @MedEdChat7 hours ago
RT @AJKleinhex: T3 Self-reflection is a critical component of any constructivist learning theory, esp transformative learning. But the tric...

John Lowry @DrJohn58857 hours ago
RT @myheroistrane: @paladineh @GLBDallaghan @AJKleinhex Check out the #teambasedlearning collaborative for one particular paradigm: https://...

John Lowry @DrJohn58857 hours ago
RT @ArjaSateesh: @kristinadzara @MedEdChat Healthcare research which promotes life-long learning (practice-based learning) and self-directe...

Dr. Sateesh Arja @ArjaSateesh7 hours ago
@MedEdChat T3 definitely reflection is an important key aspect of Learner-Centered learning. Students/trainees should be able to self-assess based on their experiences and derive their own abstracts/theories. This should help them with their future practices/experiences. #mededchat
Kristina Dzara, PhD, MMSc @kristinadzara 7 hours ago
@EM_Educator @GLBDallaghan @AJKleinhex We need to encourage our clinical educators to think of both clinician AND educator in their professional identities. Viewing oneself as an educator is really key, IMO, and so many don't. #mededchat

Kristina Dzara, PhD, MMSc @kristinadzara 7 hours ago
RT @myheroistrane: A1: If I tell it to you, you’ll remember it tomorrow. If u discover it for yourself, you’ll remember it next year. I bel...

Gary Beck Dallaghan @GLBDallaghan 7 hours ago
@AJKleinhex So true. If the educator is not reflecting then behavior is not modeled. It's similar to what @kristinadzara stated when pointing out we as educators need to be vulnerable #mededchat

Kristina Dzara, PhD, MMSc @kristinadzara 7 hours ago
RT @GLBDallaghan: @AJKleinhex So true. If the educator is not reflecting then behavior is not modeled. It's similar to what @kristinadzara...

MedEd Chat @MedEdChat 7 hours ago
RT @kristinadzara: @EM_Educator @GLBDallaghan @AJKleinhex We need to encourage our clinical educators to think of both clinician AND educat...

Becky Bernstein @hc4humans 7 hours ago
@MedEdChat T3 reflection is certainly critical to service learning, where learner-centered meets community beneficial #mededchat #meded

Larry Hurtubise @hur2buzy 7 hours ago
#MedEdChat T3 seems like I tout reflection frequently as foundational to self directed learning, professional identity formation, assessment, experiential learning... However, I wonder if as Annie Savoy says, The world is made for people who aren't cursed with self-awareness. https://t.co/3zqJcQcrDv

Ian Pereira @IanJPereira 7 hours ago
RT @GLBDallaghan: @MedEdChat T1: I actually like the suggestions presented in this blog https://t.co/oPOfacML6T #mededchat #meded

MedEd Chat @MedEdChat 7 hours ago
We have about 5 more minutes left in our discussion. Please feel free to give some final thoughts #meded #mededchat

Kristina Dzara, PhD, MMSc @kristinadzara 7 hours ago
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Gary Beck Dallaghan @GLBDallaghan 7 hours ago
Final Thoughts.....Learner-centered teaching is challenging, but rewarding to function as a guide on the side and allow #medstudents more autonomy in their learning #mededchat

Kristina Dzara, PhD, MMSc @kristinadzara 7 hours ago
RT @GLBDallaghan: Final Thoughts.....Learner-centered teaching is challenging, but rewarding to function as a guide on the side and allow #...
Heather Paladine @paladineh7 hours ago
@myheroistrane @GLBDallaghan @AJKleinhex @TBLearning What about GME? In our resident didactics, we have 45 minute slots with different groups of learners each week. I agree this is important, just looking for more examples for our faculty (who have a primarily clinical focus) to follow. #meded #MedEdChat

MedEd Chat @MedEdChat7 hours ago
That's a wrap...I will post the #mededchat transcript tomorrow morning on https://t.co/mJivoK9NyX on the Resources page. Thanks everyone for participating! #meded

MedEd Chat @MedEdChat7 hours ago
Join us again next week at 9 pm Thursday. Don't forget to suggest topics by DM or email #meded #mededchat

Sally Fitzpatrick @blinkandumissme6 hours ago
RT @MedEdChat: That's a wrap...I will post the #mededchat transcript tomorrow morning on https://t.co/mJivoK9NyX on the Resources page. Tha...

Frank Cacace @cacace_frank5 hours ago
@RoxanaDaneshjou @jbcowartmd @jbcarmody Hoping they read every word of every post, and reflect. #MedEdChat tonight reminded no reflection, no learning. Hoping reflection, if it occurs, brings long overdue realization #step1 tests material that isn’t aligned w doctoring, weeds out/traumatizes/distracts, needs redesign

Karen Dickinson @K_DickinsonMD5 hours ago
@EM_Educator @kristinadzara @GLBDallaghan @AJKleinhex Agree - In clinical practice we all teach daily to a greater or lesser degree. Although we are taught the art and science of clinical medicine little is taught about how to teach. The training the trainers @RCSnews @lapcoleadmark model is a great way to achieve this #Mededchat

Umbereen Nehal @usnehal5 hours ago
RT @cacace_frank: @RoxanaDaneshjou @jbcowartmd @jbcarmody Hoping they read every word of every post, and reflect. #MedEdChat tonight remin...

Ayesha Mian @ayesha_mian117 minutes ago
RT @myheroistrane: A1: Learner centered: this is a complex concept, because I think it does not necessarily mean situating all power with t...