

# Flipped Learning Model A Platform To Enhance Student Participation, Retention, And Employability.

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Lucy Ogbenjuwa

Chika Udejaja

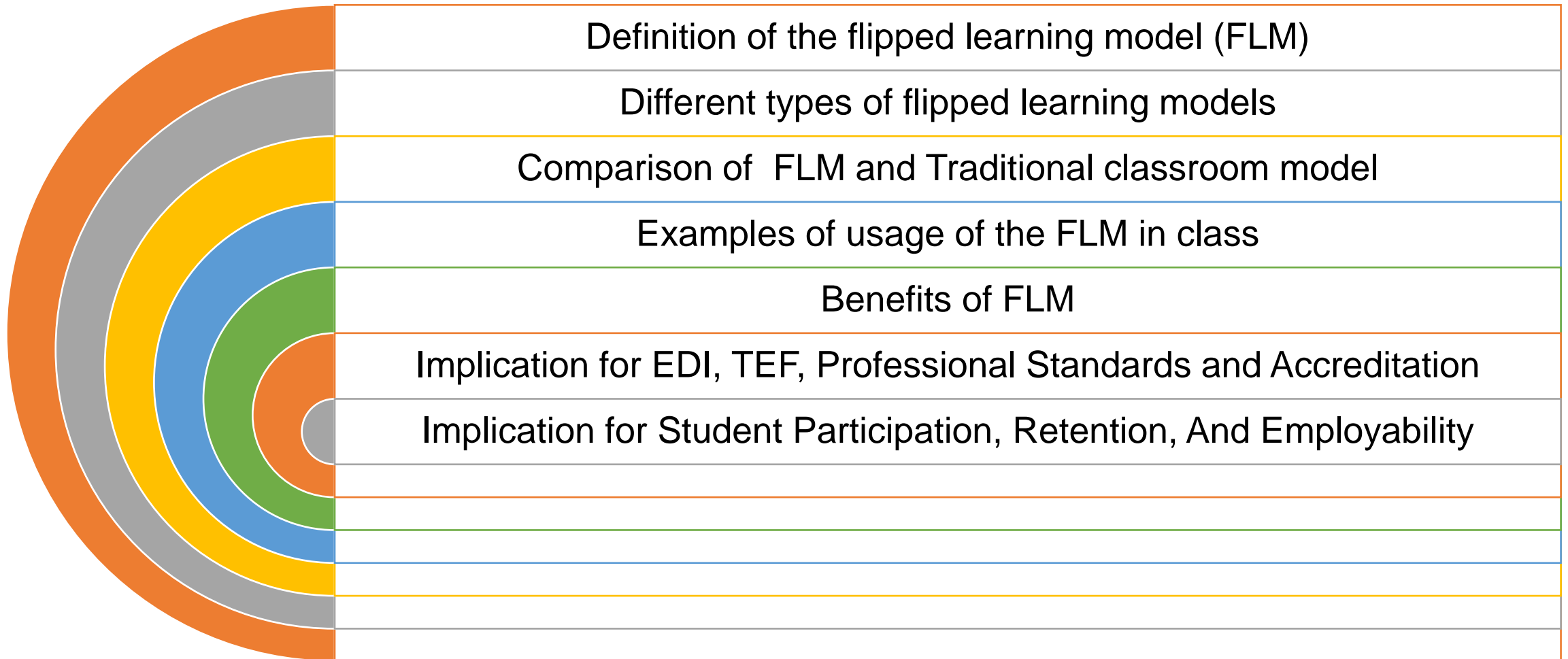
Daniel Fong

Olubisi Ige

School of the Built Environment & Architecture



# Flipped Learning Model – Outline of Discussion



# Flipped Learning Model



***The flipped classroom model is a pedagogical approach in which students are introduced to new content before class and use class time for discussion, problem-solving, and other activities***

Lawan, A.A., Muhammad, B.R., Tahir, A.M., Yarima, K.I., Zakari, A., Abdullahi II, A.H., Hussaini, A., Kademi, H.I., Danlami, A.A., Sani, M.A. and Bala, A., 2023. Modified flipped learning as an approach to mitigate the adverse effects of generative artificial intelligence on education. *Education Journal*, 12(4), pp.136-43.

# Learning Theories Supporting FCM

Cognitive

Reciprocal teaching, inquiry learning & lecturer not the only or primary source of knowledge

Enhances students participation

Constructivist

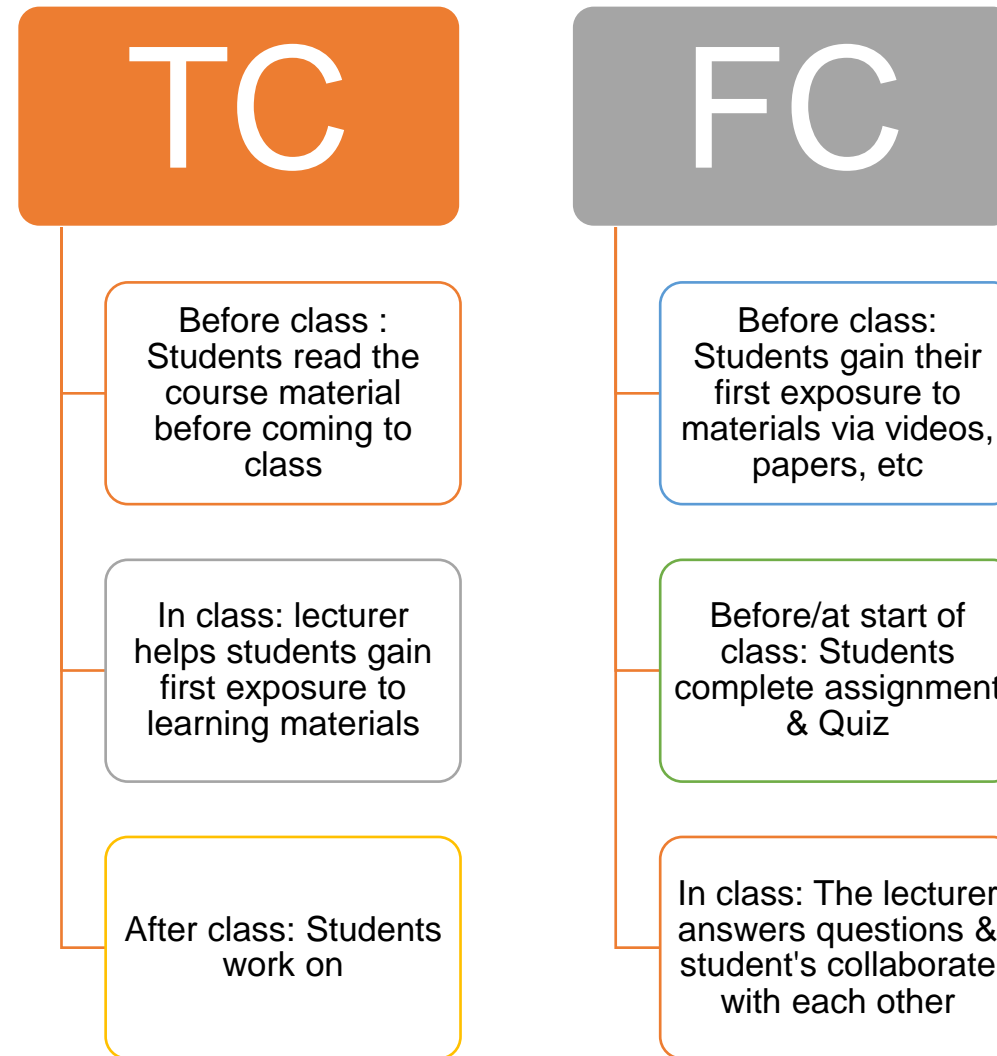
Discovery, experiential, collaboration & project based & task oriented learning

Lecturer is a facilitator

Ogbenjuwa, L., 2023. Real Estate Finance and Economics: A Guide to Securing Finance for Real Estate Project Development in Developed and Emerging Economies. Springer Nature.



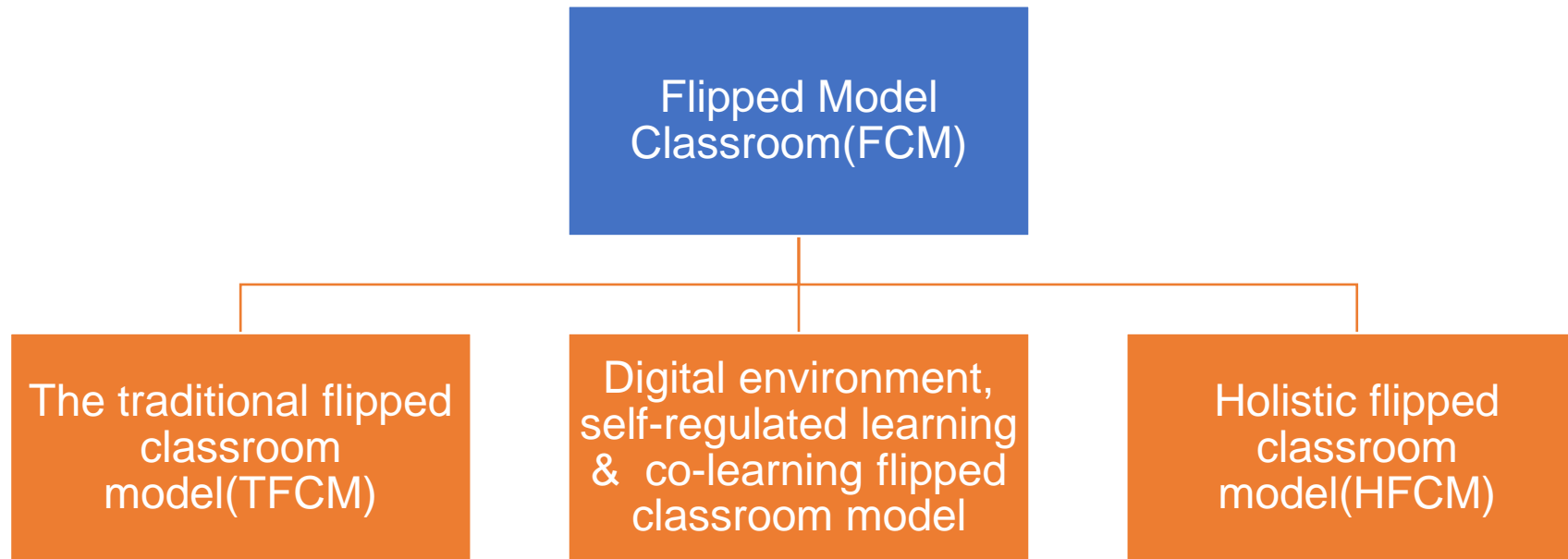
# Traditional Classroom (TC) Vs Flipped Learning Model (FC)



Al-Samarraie, H., Shamsuddin, A. and Alzahrani, A.I., 2020. A flipped classroom model in higher education: a review of the evidence across disciplines. *Educational Technology Research and Development*, 68(3), pp.1017-1051.

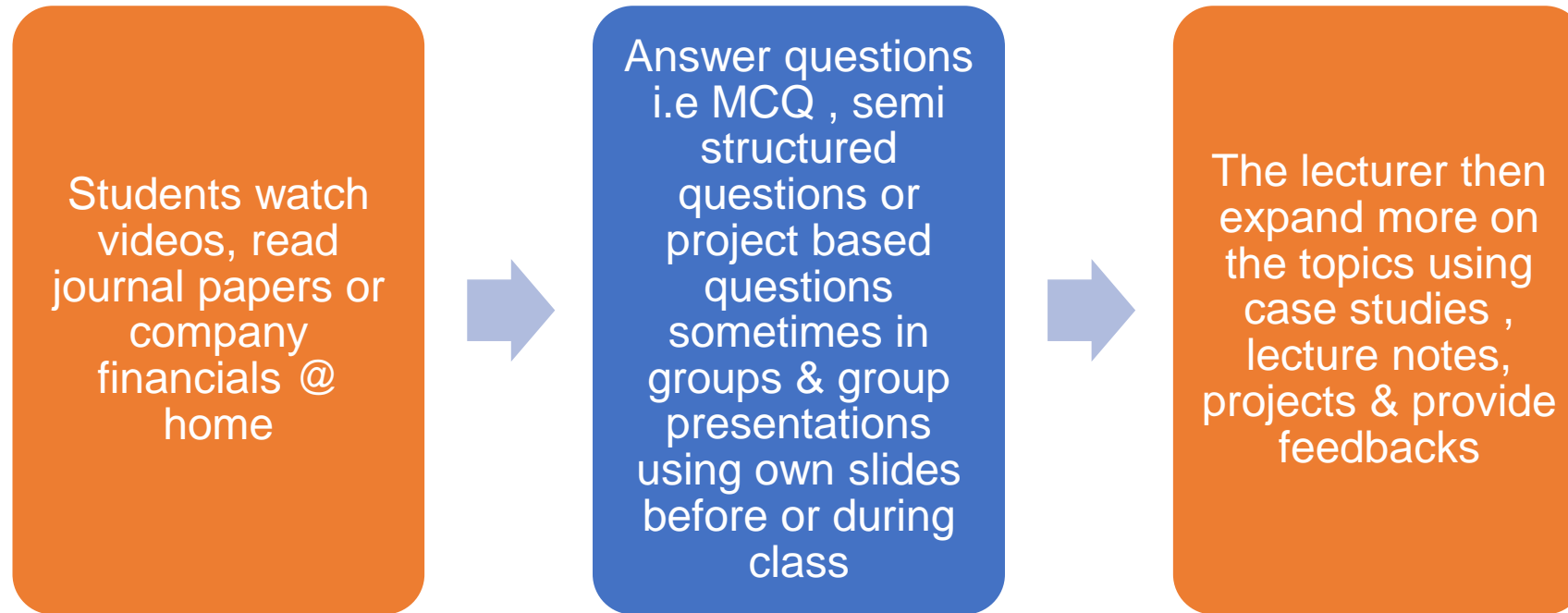


# Types of Flipped Learning Model (FC)



Chen, H.Y.L. and Chen, N.S., 2014, July. Design and evaluation of a flipped course adopting the holistic flipped classroom approach. In *2014 IEEE 14th International Conference on Advanced Learning Technologies* (pp. 627-631). IEEE.

# Usage of FCM/ Traditional Flipped Classroom Model

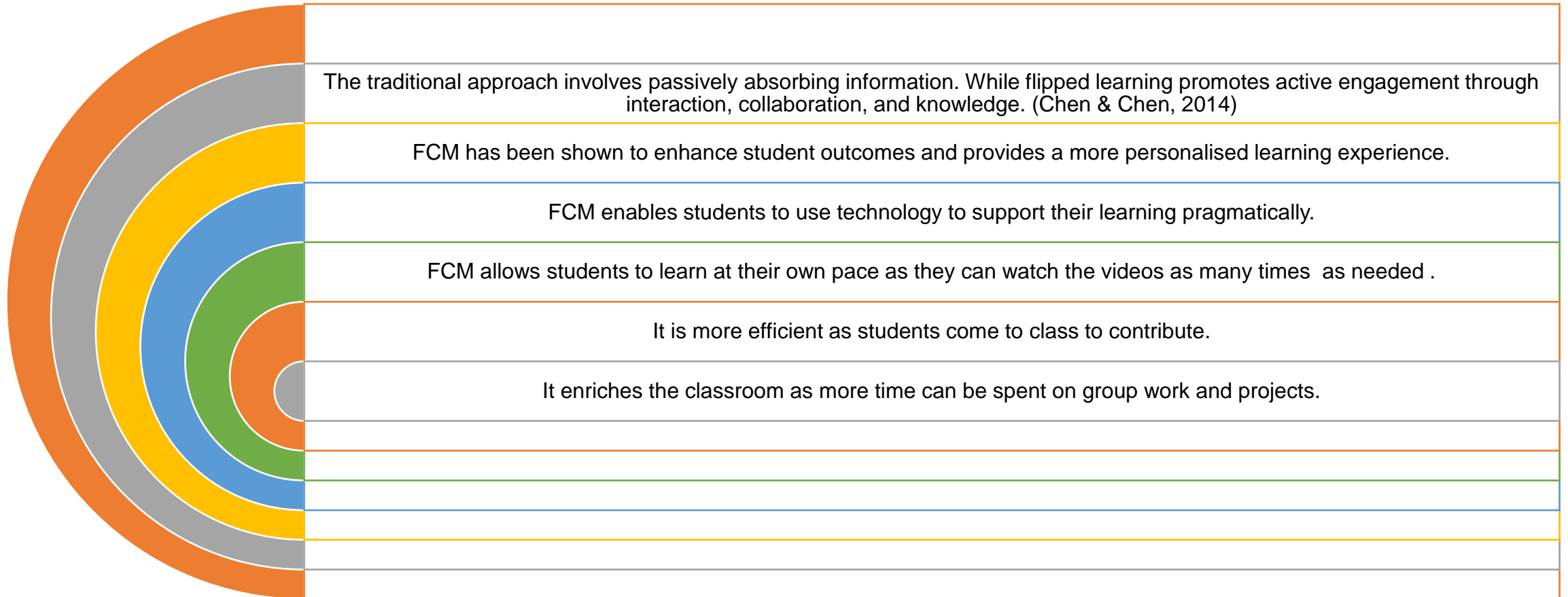


# Some Modules & the application of TFCM/Feedback

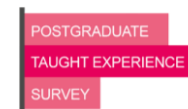
Modules	Approach to FCM	Observation
Economic context of the Bult Environment	Provision of videos and news on contemporary economic issues such as trades, interest rates, etc before classes & quizzes & discussions & group discussions in class	Students were very engaging in class & it enhanced their knowledge of such concepts and trends
Project and Business Management	Provision of Audited financial statements on construction firms to students before lectures	The classes were very interactive in nature
Project Management	Recorded video on the usage of software such as MS Projects	There was speed of understanding in the application of the softwares



# Benefits of Flipped Classroom Model (FCM) to the Students

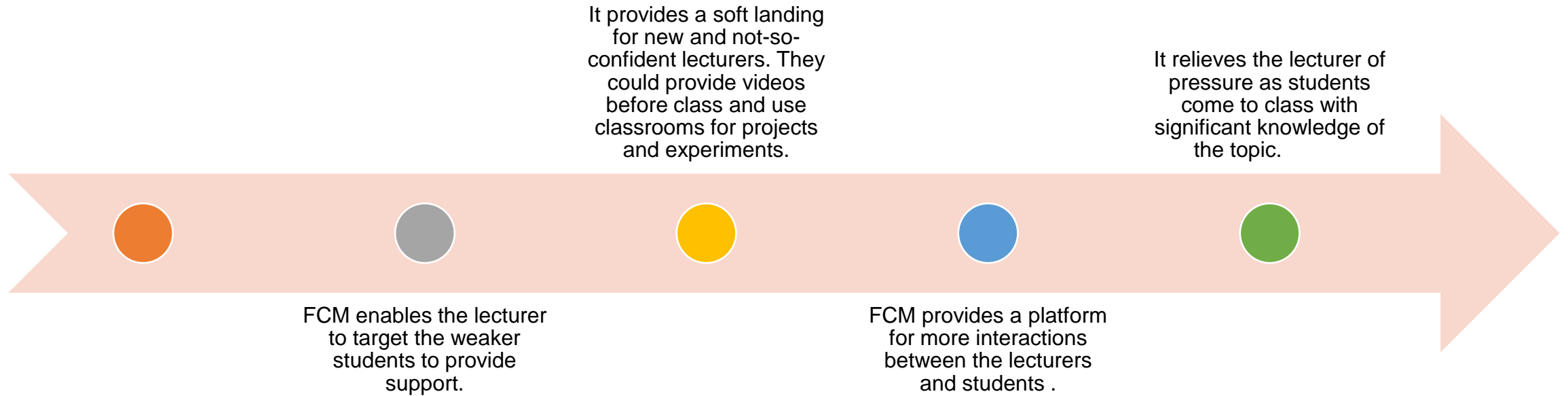


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# Benefits of Flipped Classroom Model (FCM) to the Lecturer



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# Implication for EDI, TEF, Professional Standards and Accreditation

- *The flipped learning model helps to project the LSBU EDI policy because it helps to promote collaboration amongst students & further helps to eliminate discrimination.*
- *The flipped learning model contributes significantly to TEF because it enhances teaching quality, the learning environment & the student's outcome.*
- *The flipped learning model contributes significantly to meeting the standards of professional & accreditation bodies such as CIOB and APM through the enhanced teaching standards it creates.*
- *It is a good support platform to the apprentices in the light of projecting the KSBs ( Knowledge, skills and behaviour ).*

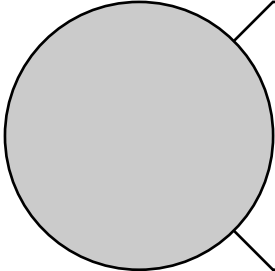
# Implication for Student Participation, Retention, And Employability

- *The flipped learning model contributes significantly to TEF because it enhances teaching quality, the learning environment & the student's outcome. This should enhance retention .*
- *The flipped learning model contributes significantly to meeting the standards of professional & and accreditation bodies such as CIOB and APM through the enhanced teaching standards it creates. Arguably, this should enhance employability.*
- *It is a good support platform to the apprentices in the light of projecting the KSBs ( Knowledge, skills and behaviour ). This should enhance progression from HNC to degree programmes .*

# Some Reflections & Action plans

- Recognizing the limitations of the traditional flipped classroom model, which we currently employ, We propose a shift towards a more comprehensive approach. This change is aimed at addressing the challenge of monitoring student engagement outside of class, a concern that I know is important to you.
- In the future, we intend to use the holistic flipped classroom model which uses different digital platforms to monitor student's performances virtually.
- The holistic flipped classroom model provides sets of different classrooms, which include synchronous, asynchronous, mobile, and physical classrooms, which could all be used.

# Some Salient Questions & Challenges



What technological platforms would facilitate our robust usage of the FCM?



Do we have the required technology?

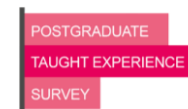


Can we incorporate grades into lecture times to enhance participation?

# Conclusion

- The flipped learning model is a great tool for enhancing student participation, retention, and employability through its value-adding qualities in teaching & learning .

Park, K.E. and Lee, S.G., 2016. Flipped Learning teaching model design and application for the University's. *Communications of Mathematical Education*, 30(1), pp.1-22.



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# Thank You





# List of references:

- Al-Samarraie, H., Shamsuddin, A. and Alzahrani, A.I., 2020. A flipped classroom model in higher education: a review of the evidence across disciplines. *Educational Technology Research and Development*, 68(3), pp.1017-1051.
- Chen, H.Y.L. and Chen, N.S., 2014, July. Design and evaluation of a flipped course adopting the holistic flipped classroom approach. In *2014 IEEE 14th International Conference on Advanced Learning Technologies* (pp. 627-631). IEEE.
- Ilic, U., 2021. Online course satisfaction in a holistic flipped classroom approach. *Journal of Educational Technology and Online Learning*, 4(3), pp.432-447.
- Lawan, A.A., Muhammad, B.R., Tahir, A.M., Yarima, K.I., Zakari, A., Abdullahi II, A.H., Hussaini, A., Kademi, H.I., Danlami, A.A., Sani, M.A. and Bala, A., 2023. Modified flipped learning as an approach to mitigate the adverse effects of generative artificial intelligence on education. *Education Journal*, 12(4), pp.136-43.
- Liu, C.K., 2019. A holistic approach to flipped classroom: A conceptual framework using e-platform. *International Journal of Engineering Business Management*, 11, p.1847979019855205.

## List of references:

- Malik, T., Hughes, L., Dwivedi, Y.K. and Dettmer, S., 2023, November. Exploring the transformative impact of generative AI on higher education. In *Conference on e-Business, e-Services and e-Society* (pp. 69-77). Cham: Springer Nature Switzerland.
- Ogbenjuwa, L., 2023. Real Estate Finance and Economics: A Guide to Securing Finance for Real Estate Project Development in Developed and Emerging Economies. Springer Nature.
- Park, K.E. and Lee, S.G., 2016. Flipped Learning teaching model design and application for the University's. *Communications of Mathematical Education*, 30(1), pp.1-22.
- Yadav, R (2016). Role Of Constructivism In Learning. Available At: [https://www.researchgate.net/publication/319442311\\_Role\\_of\\_Constructivism\\_in\\_Learning](https://www.researchgate.net/publication/319442311_Role_of_Constructivism_in_Learning) ( Accessed On 09/04/2024).
- Yilmaz, K. (2011). The cognitive perspective on learning: Its theoretical underpinning and implications for the classroom. Available at (PDF) Research gate.net. (Accessed on 09/04/2024).