

STEM Education and Development

Week Three

Kazi K. Shahidullah, PhD

Assistant Professor

Curriculum Development &

Additional Director, IQAC

Bangladesh University of Professionals

Review from Previous Week



Perspectives of STEM Education

Perspectives of STEM Education

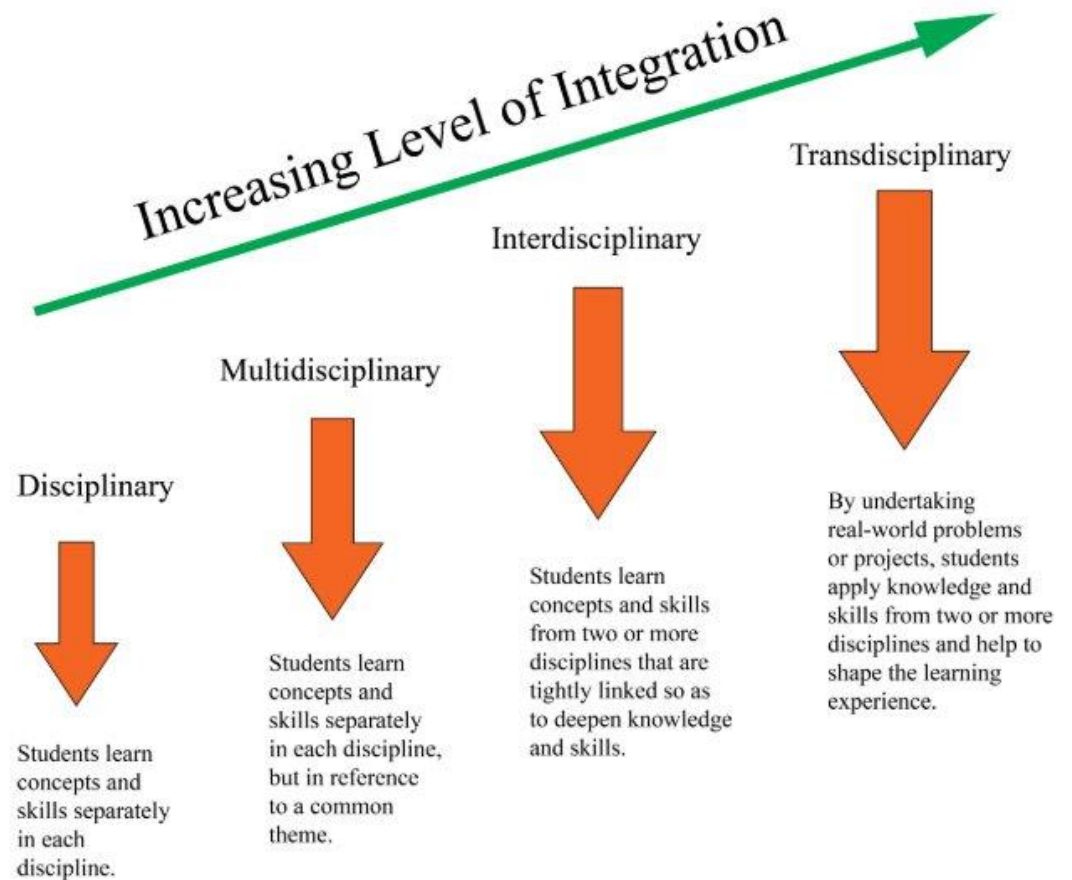
- Group work/Individual work:

Go to chapter 8 and draw the diagrams of all the Perspectives of STEM Education in one page.

Perspectives of STEM Education

- Single-Disciplines
- STEM as Reference for Science and Math
- Separate Science and Incorporate Technology, Engineering or Math
- STEM Equals a Quartet of Separate
- Science and Math Connected Technology or Engineering
- Coordinate Across Discipline
- Combining Two or Three Disciplines
- Integrated Disciplines
- STEM as Transdisciplinary Course or Program

Perspectives of STEM Education



SL	Perspectives	Figure	Characteristics
1.	Single-Disciplines		
2.	STEM as Reference for Science and Math		
3.	Separate Science and Incorporate Technology, Engineering or Math		
4.	STEM Equals a Quartet of Separate		
5.	Science and Math Connected Technology or Engineering		
6.	Coordinate Across Discipline		
7.	Combining Two or Three Disciplines		
8.	Integrated Disciplines		
9.	STEM as Transdisciplinary Course or Program		

Homework

- Develop your STEM Lesson Plan based on one of the perspectives of STEM Education.