Blended Learning

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Presentation outline

- Faculty understanding assessment (Structured Questionnaire- 3 Minutes)
- Video Presentation (5 Minutes)
- Learning
- Learning Styles
- Online Learning
- Personalized Learning
- Competency- Based Learning
- Effective Learning
- Blended Learning
- Understanding Blended Learning
- Why Blended?
- What is Blended learning?
- Blended learning Models
- Benefits Of Blended Learning
- Traditional Vs. Blended Learning Teacher
- Be a blended Learner/ Teacher
- Conclusion
- Open Discussion (10 Minutes)
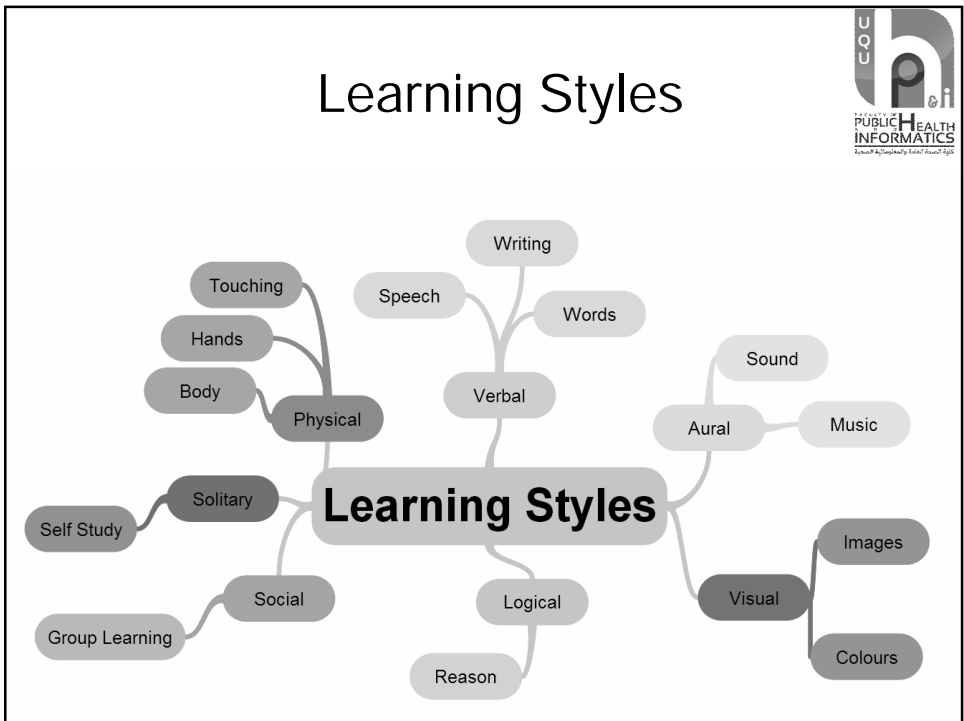
Learning:

- Learning is the act of acquiring new, or modifying and reinforcing, existing knowledge, behaviors, skills, values, or preferences and may involve synthesizing different types of information.
- The ability to learn is possessed by humans, animals, plants and some machines.

Learning Styles

Online Learning:

- Online Learning is teacher-led education that takes place over the internet using a web based educational delivery system that includes software to provide a structured learning environment.
- The teacher and students are usually separated geographically, and classes may be delivered.

Personalized Learning:

- Personalized learning is the tailoring of pedagogy, curriculum and learning environments by learners or for learners in order to meet their different learning needs and aspirations. Typically technology is used to facilitate personalized learning environments.

Competency- Based Learning:

- Competency- based learning is a system of education, often referred to as proficiency or mastery based, in which students advance based on demonstration of mastery. Competencies include explicit, measurable, transferable learning objectives that empower students.
- Competency-based learning refers to systems of instruction, assessment, grading, and academic reporting that are based on students demonstrating that they have learned the knowledge and skills they are expected to learn as they progress through their education.

EXAMPLES:
- Analyze Data
- Communicate Effectively
- Think Critically to Solve Problems

}

COMPETENCIES
Knowledge & Skills

ASSIGNMENTS
Carefully Measures Competencies

{ EXAMPLES:
- Presentation
- Business Plan
- Research Paper

Effective Learning:

Learning Pyramid

average student retention rates

	Lecture
10%	Reading
20%	Audiovisual
30%	Demonstration
50%	Discussion
75%	Practice doing
90%	Teach others
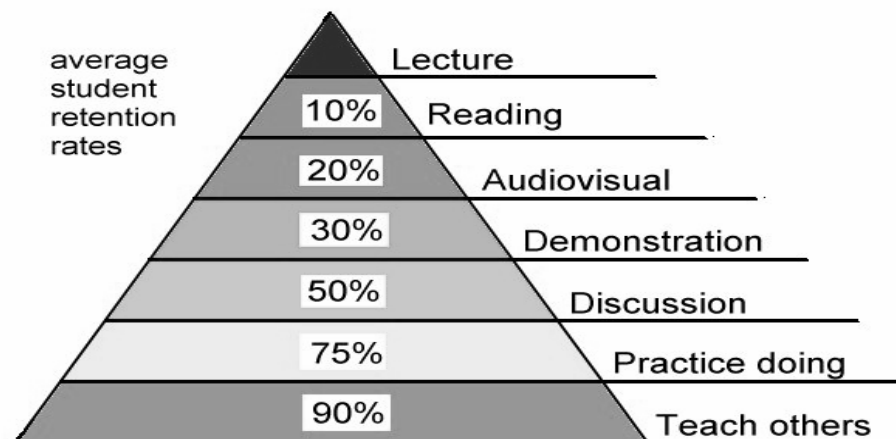
Source: National Training Laboratories, Bethel, Maine

Understanding Blended Learning

- There is a general consensus among education innovators that blended learning has three primary components:
  - In-person classroom activities facilitated by a trained educator.
  - Online learning materials, often including pre-recorded lectures given by that same instructor.
  - Structured independent study time guided by the material in the lectures and skills developed during the classroom experience.

Why Blended?

- Time
- Differentiated Experiences
- Personalized Learning for Students
- Digital Literacy
- Data to Inform Practice

BLENDED LEARNING IS...
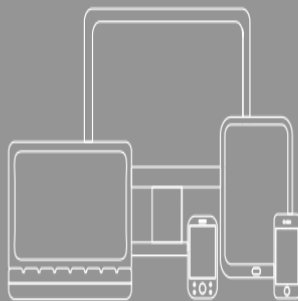
a formal education program in which a student learns at least in part through online delivery of content and instruction with some element of student control over time, place, path, and/or pace
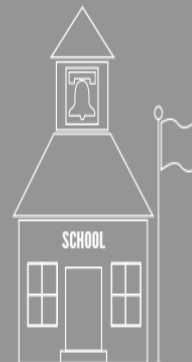
at least in part at a supervised brick-and-mortar location away from home

A shift to online delivery for a portion of the day to make students, teachers and schools more productive. Learning in multiple modalities yields more and better data that creates an integrated and customizable learning experience.

What is Blended learning?
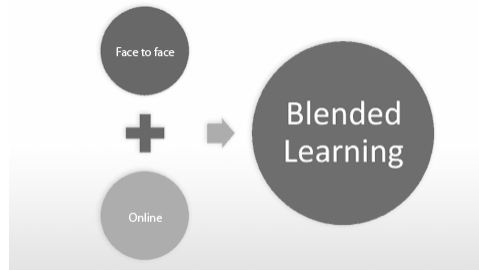
Blended learning is a term used to describe the way e-learning is being combined with traditional classroom methods and independent study to create a new, hybrid teaching methodology.

Cont...

- It represents a much greater change in basic technique than simply adding computers to classrooms; it represents, in many cases, a fundamental change in the way teachers and students approach the learning experience.
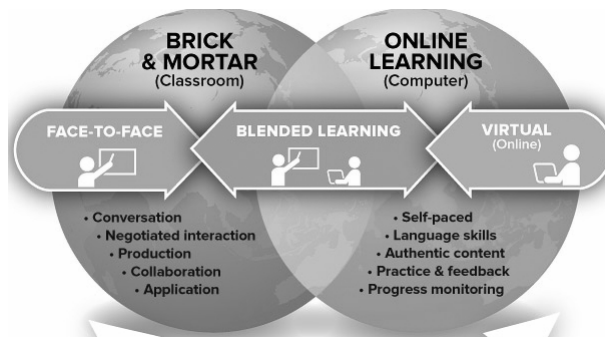
Courtesy of this picture: the tesla acedemy

Blended learning Models:

- The majority of blended-learning programs resemble one of four models:
  - Rotation,
    - Station Rotation, Lab Rotation, Flipped Classroom, and Individual Rotation.
  - Flex,
  - A La Carte, and
  - Enriched Virtual.
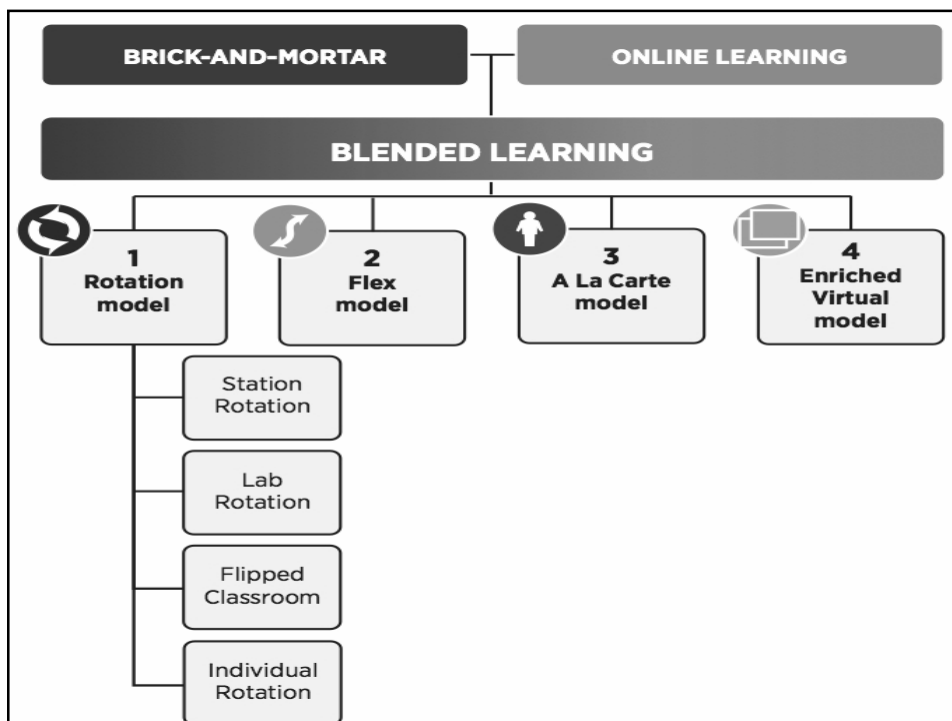
Rotation Model:

- Rotation model – a course or subject in which students rotate on a fixed schedule or at the teacher's discretion between learning modalities, at least one of which is online learning.
- Other modalities might include activities such as small-group or full-class instruction, group projects, individual tutoring, and pencil-and-paper assignments.
- The students learn mostly on the brick-and-mortar campus, except for any homework assignments.

Rotation Model   (Station Rotation)

- Station Rotation – a course or subject in which students experience the Rotation model within a contained classroom or group of classrooms.
- The Station Rotation model differs from the Individual Rotation model because students rotate through all of the stations, not only those on their custom schedules.

Rotation Model (Lab Rotation)

- Lab Rotation - a course or subject in which students rotate to a computer lab for the online-learning station.

Rotation Mode (Flipped Classroom)

- Flipped Classroom - a course or subject in which students participate in online learning off-site in place of traditional homework and then attend the brick-and-mortar school for face-to-face, teacher-guided practice or projects.
- The primary delivery of content and instruction is online, which differentiates a Flipped Classroom from students who are merely doing homework practice online at night.

Rotation Model (Individual Rotation)

- Individual Rotation - a course or subject in which each student has an individualized playlist and does not necessarily rotate to each available station or modality.
- An algorithm or teacher(s) sets individual student schedules.

Rotation Model: Components in Action

Personalized, Online Instruction

Teacher Led (Small Group) Instruction

Independent & Collaborative Practice

Courtesy: http://aspirepublicschools.org/

Collaboration

Teacher-Led Instruction

Independent Practice

Personalized, Online Instruction

Courtesy: http://aspirepublicschools.org/

Computer Learning

Teacher Instruction

Small Groups

Courtesy: http://aspirepublicschools.org/

What will it look like when we rotate?
- Students quickly signing out of computers
- Students cleaning up independent activities
- Students standing behind chairs
- Students looking at the teacher
- Students walking to next rotation
- Students starting work right away

What will it sound like when we rotate?
- Quiet voices
- Quiet feet walking
- Fingers typing
- Pencils writing
- Students reading

What will it feel like when we rotate?
- Calm
- Focused
- Safe
- Responsible

Flex Model:

- Flex model – a course or subject in which online learning is the backbone of student learning, even if it directs students to offline activities at times.
- Students move on an individually customized, fluid schedule among learning modalities. The teacher of record is on-site, and students learn mostly on the brick-and-mortar campus, except for any homework assignments.

A La Carte model :

- A La Carte model – a course that a student takes entirely online to accompany other experiences that the student is having at a brick-and-mortar school or learning center.
- The teacher of record for the A La Carte course is the online teacher.
- Students may take the A La Carte course either on the brick-and-mortar campus or on-site.
- This differs from full-time online learning because it is not a whole-school experience. Students take some courses A La Carte and others face-to-face at a brick-and-mortar campus.

Enriched Virtual model :

- Enriched Virtual model – a course or subject in which students have required face-to-face learning sessions with their teacher of record and then are free to complete their remaining coursework remote from the face-to-face teacher.
- Online learning is the backbone of student learning when the students are located remotely.
- The same person generally serves as both the online and face-to-face teacher.
- Many Enriched Virtual programs began as full-time online schools and then developed blended programs to provide students with brick-and-mortar school experiences.

Benefits Of Blended Learning

- Blended learning offers many opportunities for both the teacher and the student that a traditional brick and mortar classroom may not.
- With the increasing demands of state standards and busy school days, blended learning permits students to learn a portion of the academic content at home and gives teachers the ability to engage students in a richer, deeper, and more meaningful context in the classroom.
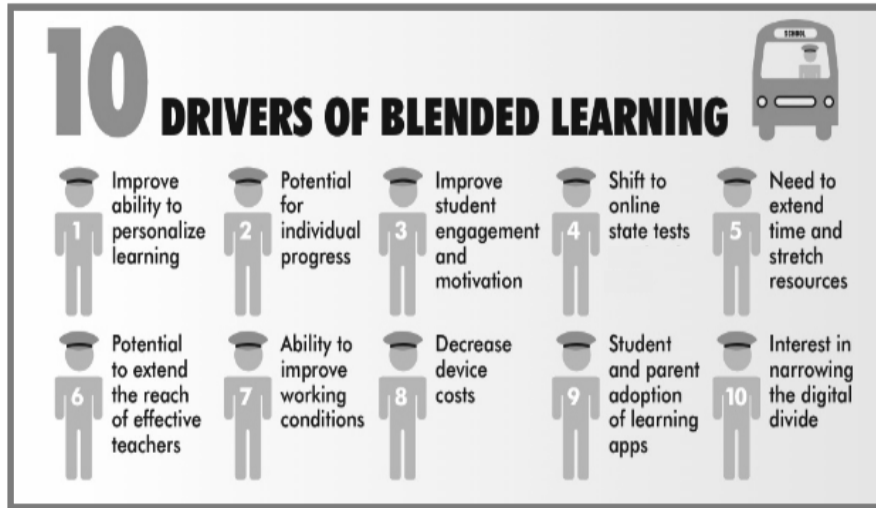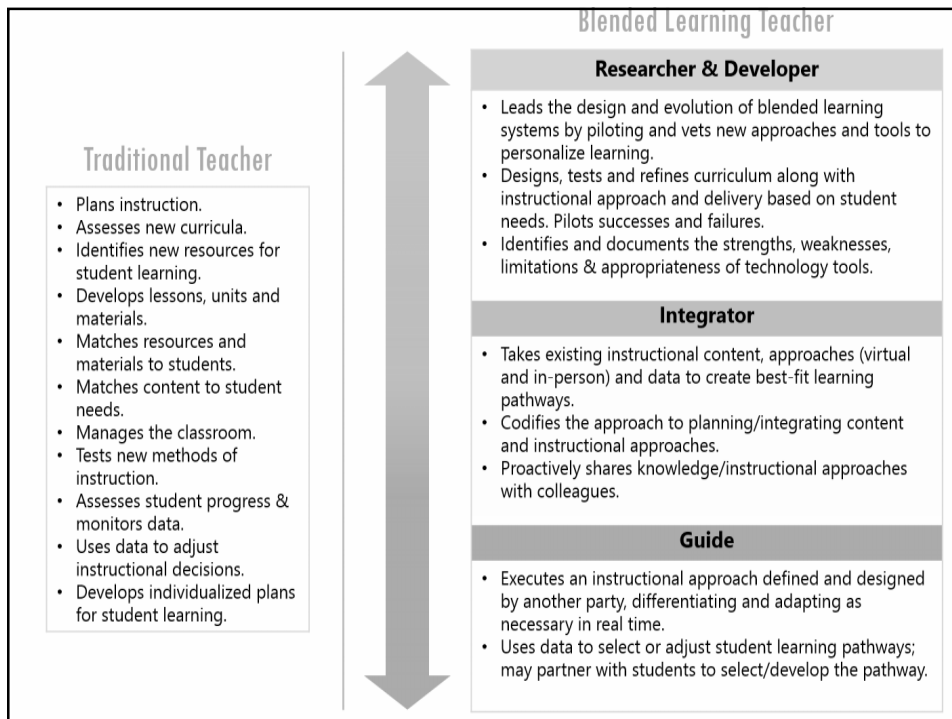
Benefits Of Blended Learning

- Blended learning enables the teacher to become more of a participant in student learning and can help facilitate student mastery of content with enriching learning activities introduced and completed when the class meets face to face.

10 Drives of Blended Learning

10 DRIVERS OF BLENDED LEARNING

1. Improve ability to personalize learning
2. Potential for individual progress
3. Improve student engagement and motivation
4. Shift to online state tests
5. Need to extend time and stretch resources
6. Potential to extend the reach of effective teachers
7. Ability to improve working conditions
8. Decrease device costs
9. Student and parent adoption of learning apps
10. Interest in narrowing the digital divide

Courtesy: http://aspirepublicschools.org/

Blended Learning Teacher

Traditional Teacher

- Plans instruction.
- Assesses new curricula.
- Identifies new resources for student learning.
- Develops lessons, units and materials.
- Matches resources and materials to students.
- Matches content to student needs.
- Manages the classroom.
- Tests new methods of instruction.
- Assesses student progress & monitors data.
- Uses data to adjust instructional decisions.
- Develops individualized plans for student learning.

Researcher & Developer

- Leads the design and evolution of blended learning systems by piloting and vets new approaches and tools to personalize learning.
- Designs, tests and refines curriculum along with instructional approach and delivery based on student needs. Pilots successes and failures.
- Identifies and documents the strengths, weaknesses, limitations & appropriateness of technology tools.

Integrator

- Takes existing instructional content, approaches (virtual and in-person) and data to create best-fit learning pathways.
- Codifies the approach to planning/integrating content and instructional approaches.
- Proactively shares knowledge/instructional approaches with colleagues.

Guide

- Executes an instructional approach defined and designed by another party, differentiating and adapting as necessary in real time.
- Uses data to select or adjust student learning pathways; may partner with students to select/develop the pathway.

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Be a blended Learner/ Teacher

- In order to thrive in a blended learning environment, educators must possess many of the same core competencies that great teachers have always demonstrated.
- They still need to be able to maximize instructional time, teach rigorous content, ensure students are responsible for the thinking in the classroom, and provide multiple opportunities to demonstrate understanding .

Cont…

- At the same time, certain competencies are even more essential to success in blended classrooms due to the complexities involved with delivering highly personalized instruction. These include:
  - Planning
  - Classroom management
  - Collection, analysis and effective use of data
  - Collaboration
  - Risk taking
  - Content expertise
- In the traditional classroom, teachers are expected to do most of these well, but in a blended classroom, success hinges upon doing all of them with a relatively high level of proficiency.

Blended Learning Pedagogies Used in Healthcare Management Field:		
Instructional Technique	**Description**	**Reference**
Case Studies	Real-time business case	Theroux & Kilbane (2005)
Small Group	Set up online groups & blended groups	Schweizer et al. (2003)
Discussion Critical Thinking	Discussion used to promote critical thinking from critical thinking from students in teacher education; Coded discussion to show evidence of higher order thinking Add instructional variety	King (2002) Meyer (2003) Cottrell & Robinson (2003)
Self-Assessment	Allows online tests and homework	Boyle et al. (2003); Riffell & Sibley (2004)
Simulation	Graphical representation of material	Cameron (2003)
Role Playing	Students must adopt role and respond in discussion	Bonk & Dennen (1999)
Debate	debates during Classes	Starenko et al. (2006)
Learn by Doing	Instructional design	Christensen (2003)
Tutoring Support	Integrates tutoring strategies	MacDonald & McAteer (2003)

Sample Blended Learning Pedagogies

Author: Dr. Md. Kamal Hussain, Multidisciplinary Approach in Healthcare Management Education through Blended Learning, Presented in International Conference organized by LMC, JNVU, India in 2014

Conclusion

- Blended learning is more than electronic textbooks and productivity tools. It means inventing or adopting new learning environments that work better for students and teacher.

- Blended learning implies a shift to an online environment for a portion of the student day. It means giving students more control over the pace, path, time and place of learning.

Research:

- **Perspective of teaching staffs towards the use of Blended Learning in Public Health & Health Informatics courses at FPH&HI, Umm Al Qura University, Makkah.**
- **Sample Size: 30-40**

Thank You……..

Your Suggestions are welcome….