

# ACTIVE LEARNING IN THE BLENDED LEARNING MODE

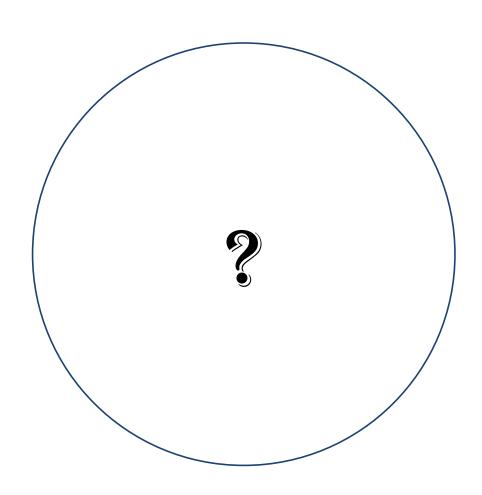
Ву

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## WHAT IS BLENDED LEARNING



## PEDAGOGY OF BLENDED LEARNING





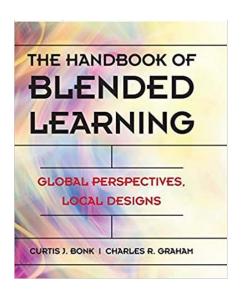
BLENDED LEARNING

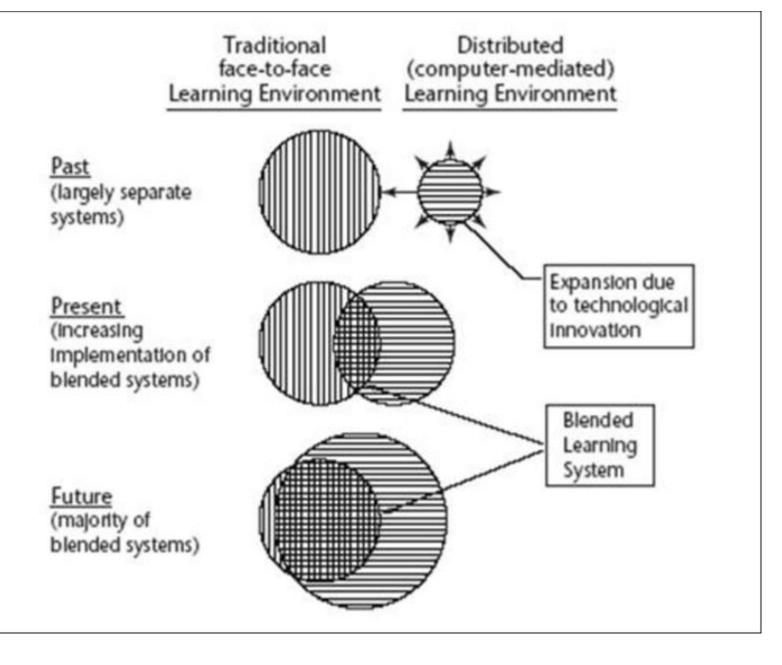




# PAST-PRESENT-FUTURE(?) BONK & GRAHAM

2009/2012/2021





## CLASSIFICATION OF BLENDED LEARNING

Traditional (0% Content Delivered Online) Web-Facilitated (1% - 29% Content Delivered Online)

Blend
(30% - 79%
Content
Delivered
Online)

Online
(80+%
Content
Delivered
Online)

# WHAT IS BLENDED LEARNING

Combining instructional modalities (or delivery media)

Combining online and face-to-face instructions

Combining instructional methods

Blende Learning (BL) in practice

# TYPES OF BLENDED LEARNING

Concept-based BL

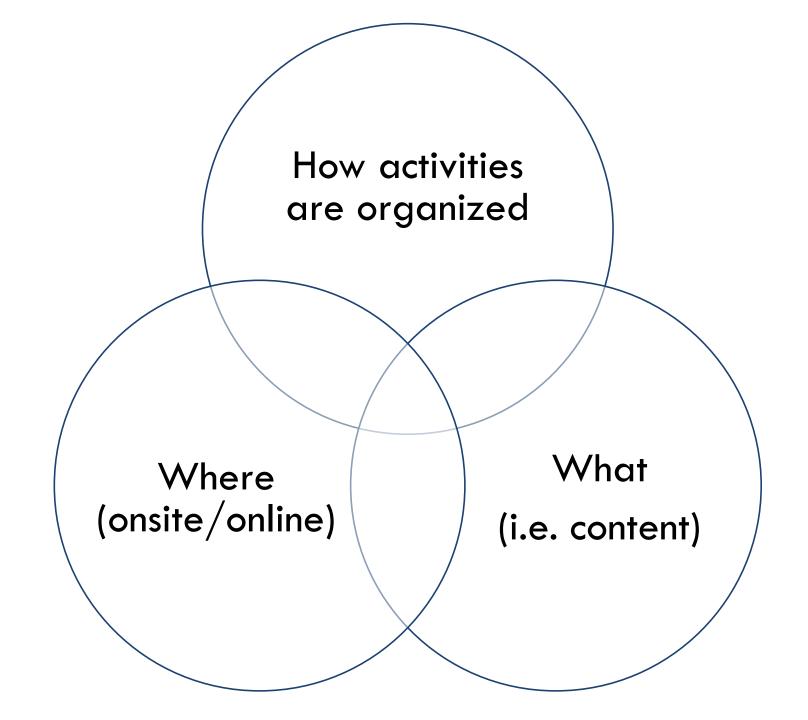
Collaborationoriented BL

KUDRIK, LAHN, & MORCH (2009)

Self-paced elearning + onsite collaborative elearning Virtual (collaborative learning) communities & individual oriented ppt/mentoring

# TYPES OF BLENDED LEARNING:

ROSSET & FRAZEE 2006



## 3 & 7 MINUTES WRITING EXERCISE

#### What is Blended Learning

- Go to the Breakout Rooms
- Write your definition silently and exactly for 3 minutes
- Read your definition out loud to each other
- Comment on what is different/missing/similar
- Discuss how to define the term together
- Prepare to present to whole group





### BLENDED LEARNING

"Blended learning is a formal education program in which a student learns at least in part through delivery of content and instruction via digital and online media with some element of student control over time, place, path, or pace." Friesen & Norm (2012)

#### Four Levels Institutional **Activity level** Course level **Program level** eve Supportive Students opt for mix Institutional Blend face-to-face & of prescribed faceoverlapping activities commitment to have that blend face-toto-face & others online BL face with online online TYPES OF Start & End of Use technology for Supportive Course is face-tosequenced activities mixed reality face & middle of **BLENDED** that ... learning course online LEARNING: Use technology for **GRAHAM (2006)** simultaneous face-to-M-learning face & online

experiences

# Students can control one/some of these dimensions

Time

Place

Path

Pace

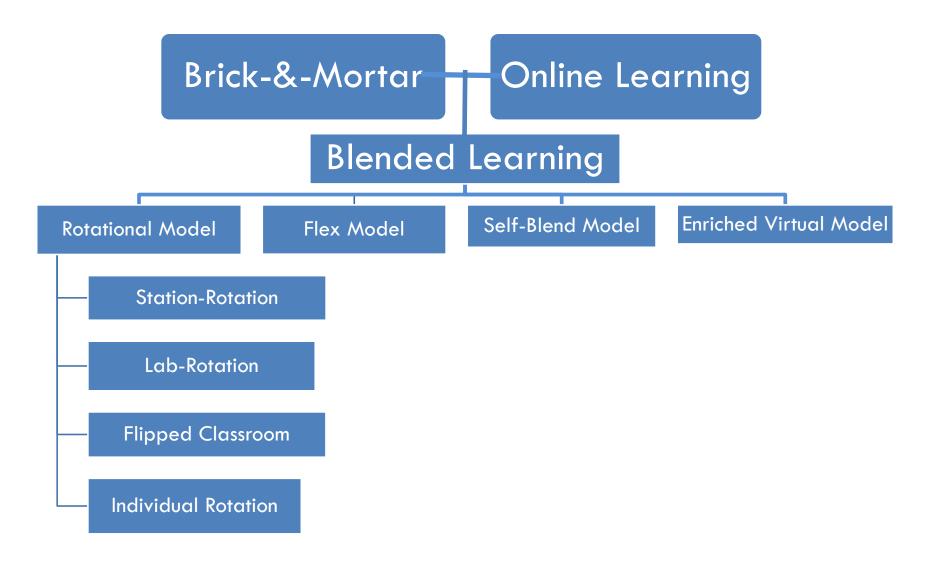
Learning is no longer restricted to the school day or the school year.

Learning is no longer restricted to the walls of the classroom.

Learning is no longer restricted to the pedagogy used by the teacher. Interactive and adaptive software allows students to learn [in a method that is customized to their needs].

Learning is no longer restricted to the pace of an entire classroom of students

## TAXONOMY OF BLENDED LEARNING MODELS



#### FLEX MODEL

#### High level engagement

Applying
Relating
Explaining
Describing
Note-taking
Memorising

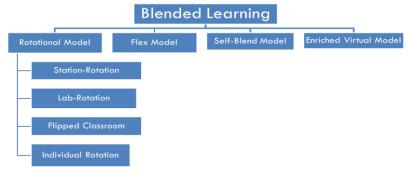
Passive 
Student activity required 
Active

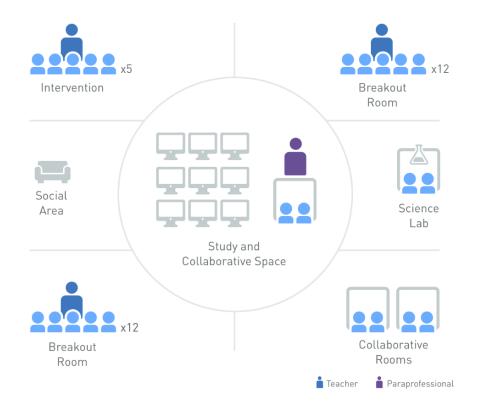
Low level engagement

(e.g. the standard lecture)

Teaching method

(e.g. problem-based learning)



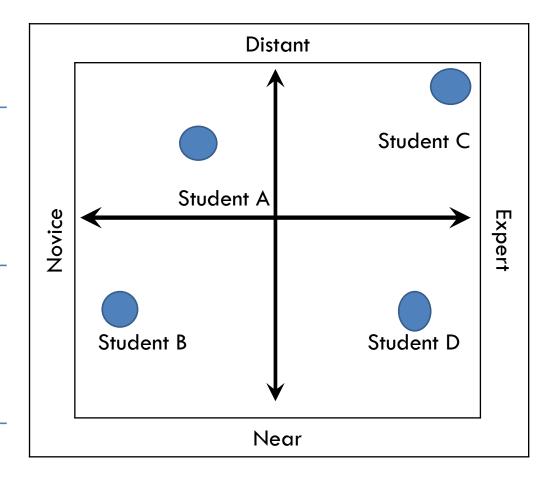


**Student A** has minimal experience of elearning and is quite distant from campus – requires a blend that introduces e-learning gradually; quite dependent on using elearning.

**Student B** is a novice e-learner, learning mainly on-campus — requires a blend that introduces e-learning gradually; not very dependent on using e-learning, and may use on-campus alternatives.

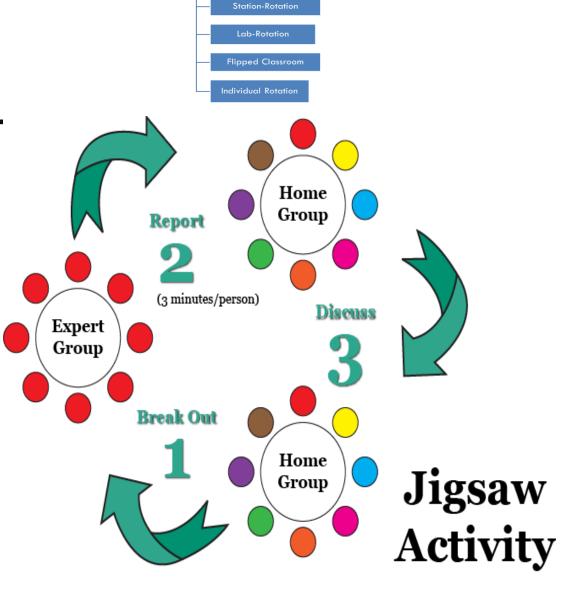
**Student C** is a very experienced e-learner, very distant from campus — can use e-learning competently without introduction; large distance and high expertise would suit e-learning.

is highly experienced but able to learn mainly on-campus — can adapt to extensive use of e-learning from start of course, but also has choice as regards on-campus delivery; the best of both worlds.



ROTATIONAL MODEL: FLIPPED CLASSROOM MODEL

Jigsaw activity



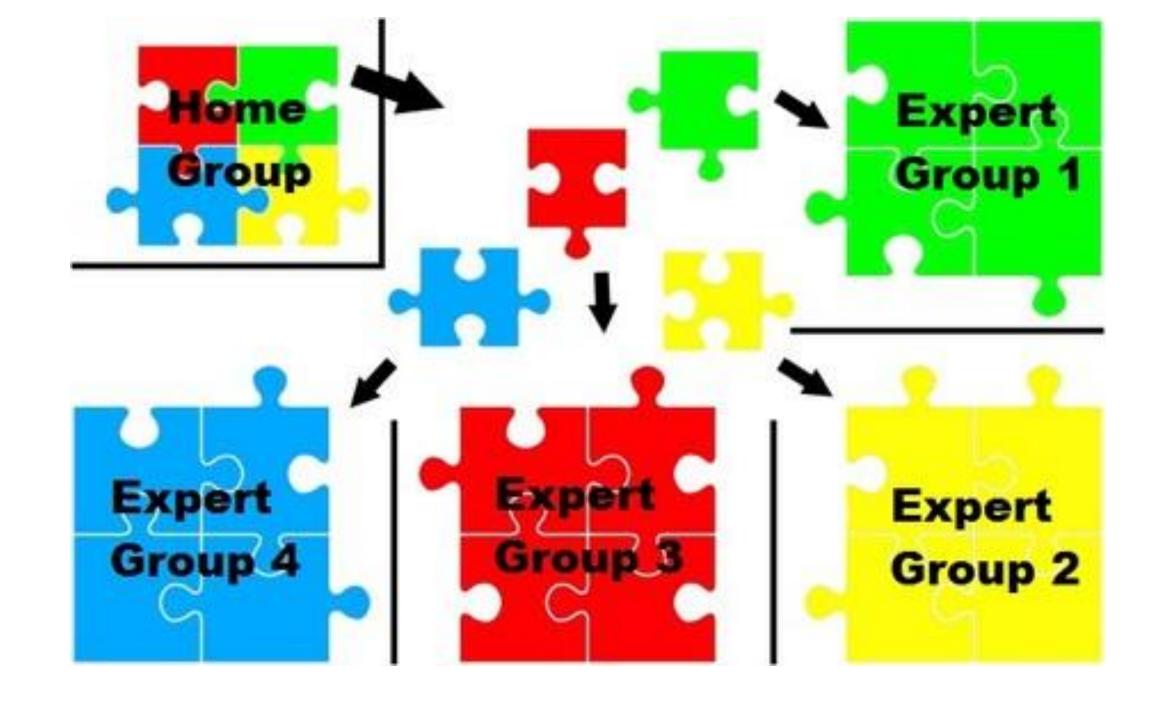
Rotational Model

**Blended Learning** 

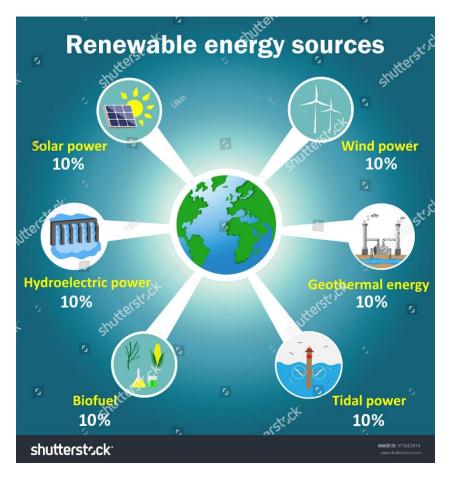
Flex Model

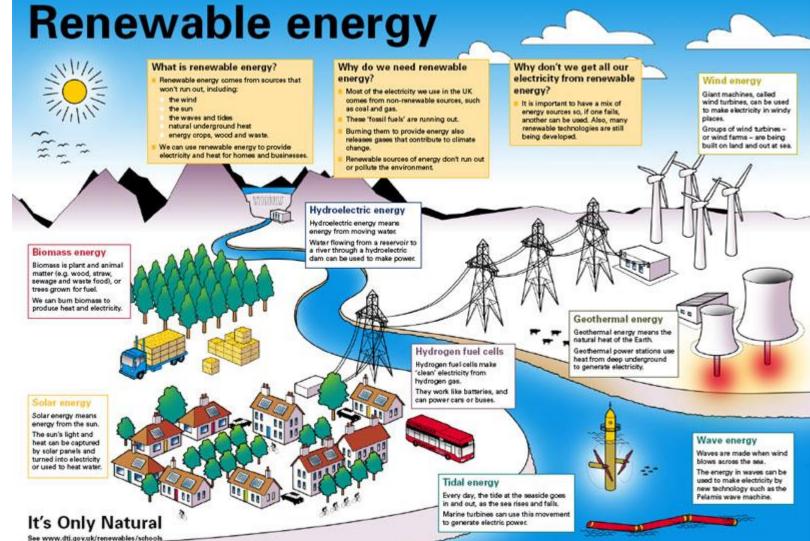
Self-Blend Model

Enriched Virtual Mode

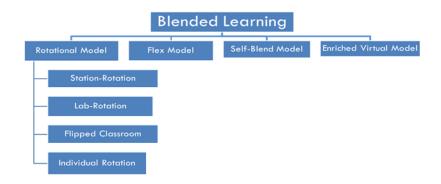








# ROTATION MODEL: STATION-ROTATION MODEL

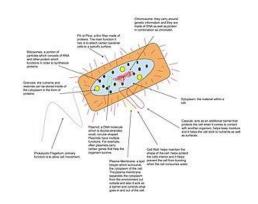




#### REVIVAL OF MAMMOTHS IN SIBERIA

## Mammoth Genome Project

- Cloning
- Artificial insemination to artificial womb
- Gene editing
- Prehistoric Park in Siberia (Pleistocene Park)





## HOW WOULD THIS TASK AID STATION-ROTATION MODEL?

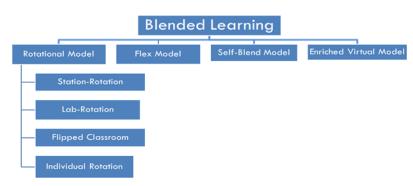
To create a news page on the Mammoth Project's success.



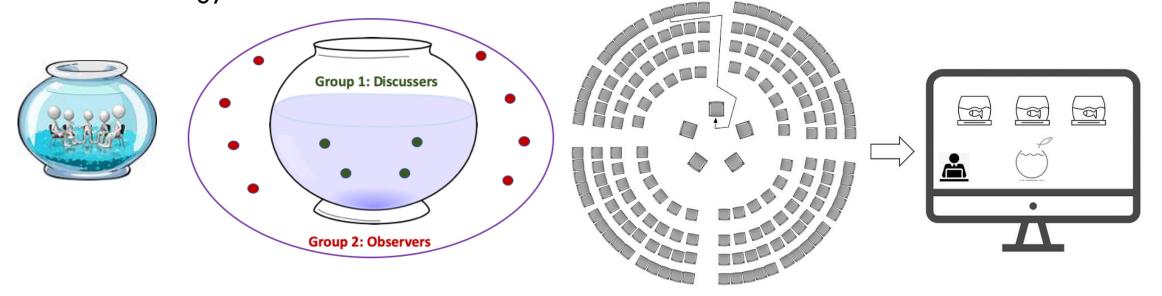
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Extra advertising

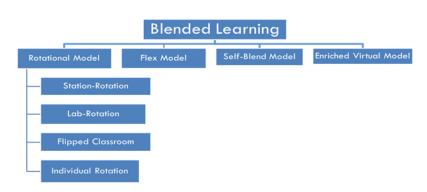
# ROTATIONAL MODEL: INDIVIDUAL ROTATION MODEL



#### Fishbowl strategy



## ROTATION MODEL: LAB-ROTATION MODEL



# In-Class activities being analysed in a lab setting

- In-class learning of World Wars
- At the Lab analysis of films depicting world wars with a comparison of actual events

### **5E MODEL**

#### **Evaluate**

 Self reflection on the learning process

#### Engage

 Engage students with a challenging situation. Use of prior knowledge is encouraged

#### **Explore**

Students
 asked to
 investigate,
 expand and
 challenge
 prior
 knowledge



#### **Elaborate**

Application
 of knowledge
 to the case.
 Teacher
 facilitates



#### **Explain**

 Students explain, using prior and new knowledge



#### **ACTIVITY**

#### Areas to focus

- Environment
- Food
- Health
- Socio-cultural
- Politics

How will you, as experts, help take humanity to the new world

## PROBLEM-BASED ACTIVE BLENDED LEARNING

How can you convert this activity to a blended one?

What aspects of knowledge are you imparting?

#### REFERENCES

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