

FACULTY DEVELOPMENT PROGRAM
27-31 July 2020

*Rethinking Education: Theories and Frameworks for
Online Learning*

Shantanu Ghosh, PhD
Akal University Talwandi Sabo

Strict adherence to any particular theoretical viewpoint often filters our perceptions and blinds us to important lessons of reality.

(Wilson 1999)

Theory allows us to see the “big picture” and makes it possible for us to view our practice (and our research as well) from a broader perspective than that is possible only from practice.

(Anderson 2000)

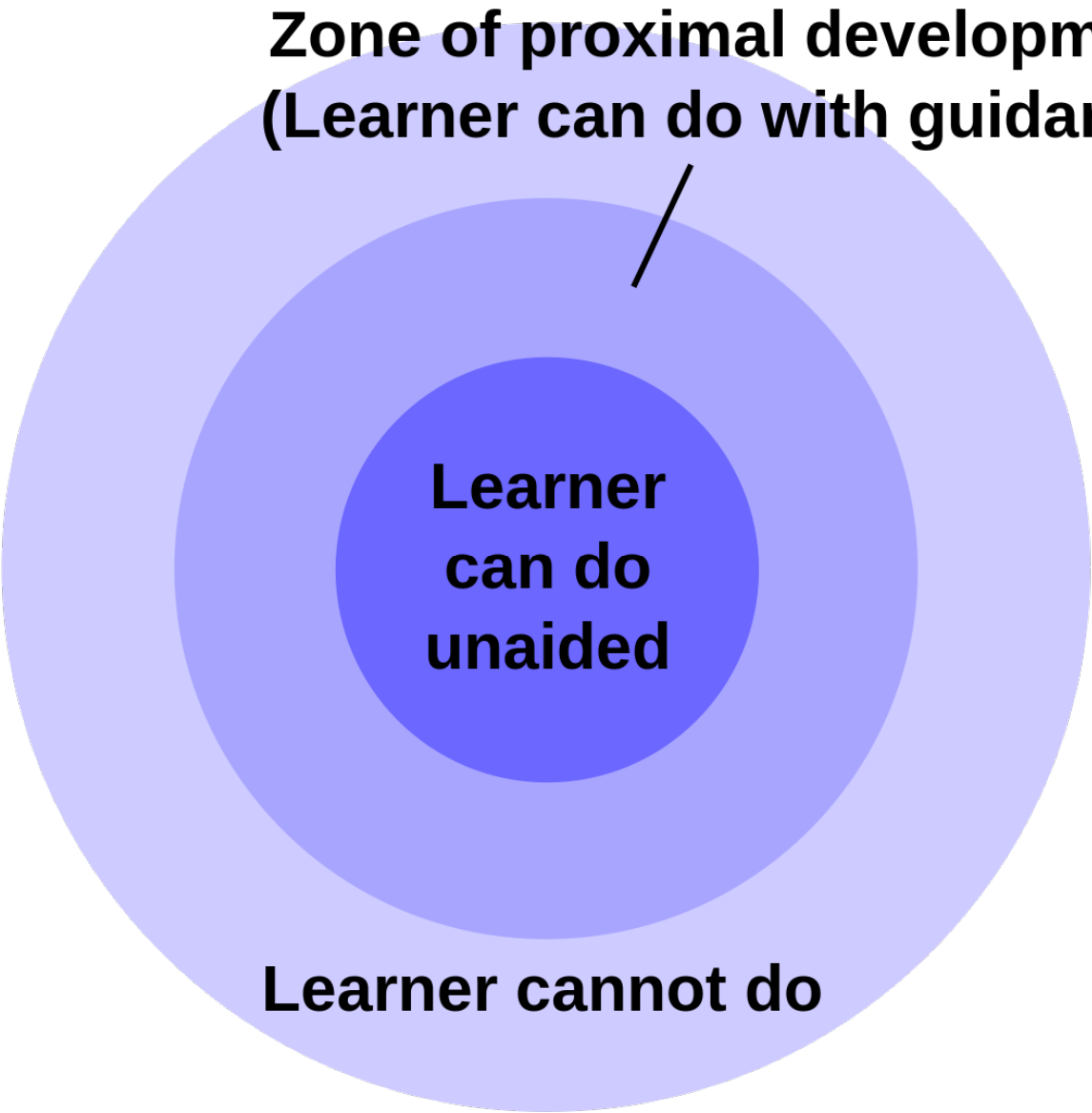
Online learning is a subset of learning in general
(Garrison & Shale 1990)

Online context gives effective learning environments that are framed within the convergence of four overlapping lenses-

- a. learner centered,
- b. knowledge centered,
- c. assessment centered, and
- d. community centered

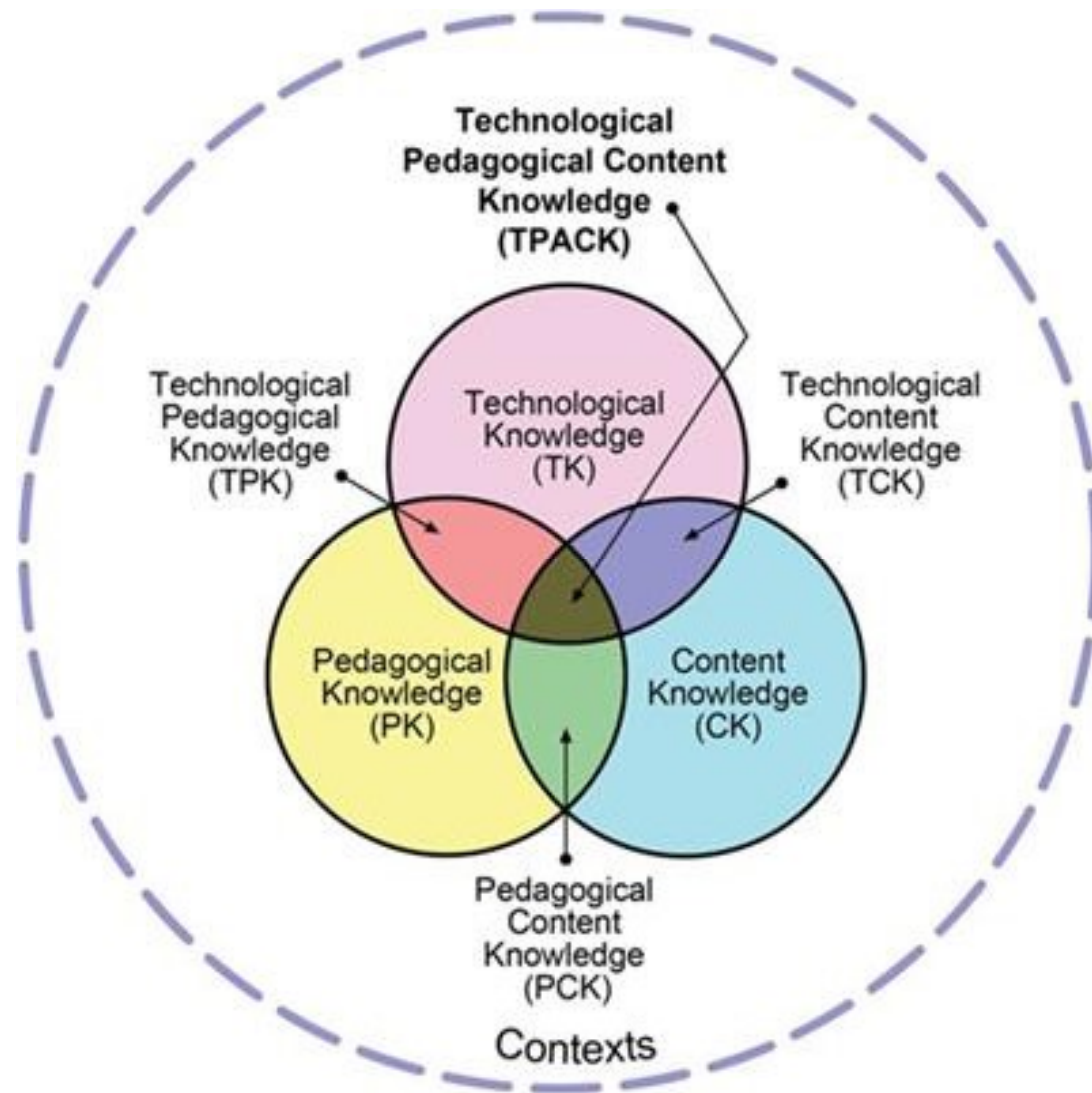
(Bransford, Brown, and Cocking 1999)

**Zone of proximal development
(Learner can do with guidance)**



**Learner
can do
unaided**

Learner cannot do



	e-Learning and Digital Cultures, #edcmooc	Fundamentals of Online Education
Course Content	<ul style="list-style-type: none"> -Variety of content sources including open peer-reviewed journal articles, websites, YouTube videos, PDF file: of select instructor selected articles and chapters. -No video lectures of professors or narrated slide presentations. -Two Google Hangouts with course professors, 1 hour in length, 1st and 3rd week of course [recorded] -Peer sharing of blog posts, resource discussions on Twitter, Facebook, crowd-sharing of projects, Google Dc 	<ul style="list-style-type: none"> -Lecture video of professor narrating power point slides from script -Links to non-peer reviewed articles, newsletters requiring log-in credentials, videos, (some which appeared unrelated to topic)
Pedagogy	<ul style="list-style-type: none"> -Student-centered, student controlled, self-directed -Inquiry based -Media production [i.e. project based learning] -Connectivist orientation 	<ul style="list-style-type: none"> -Instructor-centered, controlled -Lecture primary source of course content -Collaborative group work [required, structured, instructor driven] -Cognitive and behaviorist orientations
Pedagogy/ Assessment Methods	<ul style="list-style-type: none"> -Media project reflective of course themes -Web-based, open, shareable -Peer-reviewed 	<ul style="list-style-type: none"> - Weekly quizzes - Self-assessments on concepts disconnected from course content
Interaction/Student participation	<ul style="list-style-type: none"> - Community of learners on Google +, Twitter #edcmooc, Flickr and Google Docs : student created and managed 	<ul style="list-style-type: none"> -Discussions on course forums -Groups created on forums -Google Doc managed by instructor (crashed due to overload)

Lesson Plan to Lab Plan

- 1) Identifying Key information- resources needed
- 2) Class content planning- breaking down the teaching points
- 3) Plan each activity- down to the last question and teaching point

https://openwetware.org/wiki/Main_Page

**Be careful about how you handle copyright materials-
ensure that you have the required permissions**

main page talk view source history



OpenWetWare Share your science.

navigation

- Main Page
- Recent changes
- Help
- Contact OWW
- Add a Lab Notebook

research

- Materials
- Protocols
- Resources

search

Search OpenWetWa

Go

Search

tools

- What links here
- Related changes
- Special pages
- Printable version

OPEN WETWARE

OpenWetWare is an effort to promote the sharing of information, know-how, and wisdom among researchers and groups who are working in biology & biological engineering. **Learn more about us.**

If you would like edit access, would be interested in helping out, or want your lab website hosted on OpenWetWare, please join us. OpenWetWare is managed by the [BioBricks Foundation](#).



Labs & Groups
From around the world



Courses
Host & view classes



Protocols
Share techniques & more



Blogs
Read OWW blogs



OpenWetWare Lab Notebooks

New features include:

- Dynamic calendars**
Create or view entries with a click
- Local search**
Search within your lab notebook
- Improved navigation**
Jump between entries with ease



Openwetware has upgraded!

We have moved to a new server, with new software. You will need to set a new password and **confirm your email address!** For more information, please see [here](#).

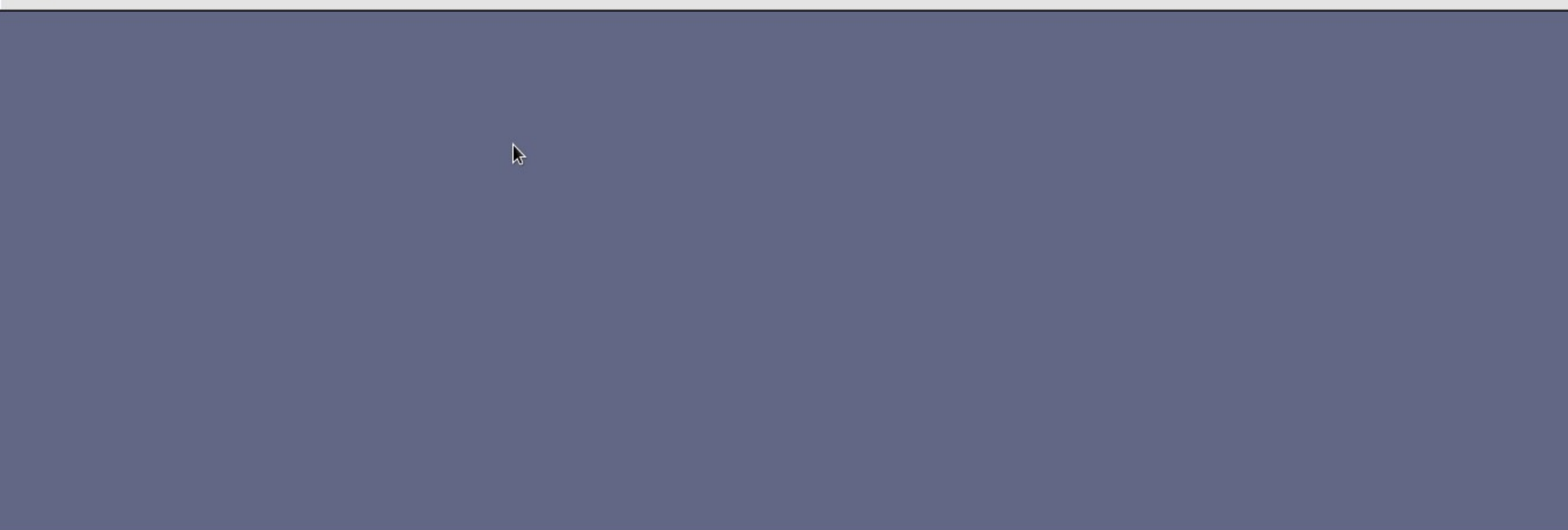
Audacity

File Edit Select View Transport Tracks Generate Effect Analyze Help

Transport controls: Play, Stop, Previous, Next, Record. Editing tools: Undo, Redo, Cut, Copy, Paste, Delete, Select All, Select None, Select Inverse. Mixer: L, R channels with volume sliders and meters. Labels: L -57, R -48, Click to Start Monitoring 8, L -57, R -48, -42, -36, -30, -24, -18, -12, -9, -6, -3, 0.

ALSA default 2 (Stereo) Rec default

Timeline: 1.0 0.0 1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0 11.0 12.0 13.0 14.0



Project Rate (Hz): 44100 Snap-To: Off Audio Position: 00 h 00 m 00,000 s Start and End of Selection: 00 h 00 m 00,000 s 00 h 00 m 00,000 s

Stopped.

For those who are attending my **postgrad** courses, click [<https://www.openwetware.org/wiki/PhoneticSci> here].

Code snippet For those attending my **postgrad lab** course, click [<https://www.openwetware.org/wiki/AdvPhonLab> here]

**
**
**** This is the link to the FDP session (Day 5) on lab wiki, click [<https://openwetware.org/wiki/Aufdp-5.2> here] for details.**
**

Go to our Lab's **Covid-19** page.. **** click [<https://openwetware.org/wiki/Covid19wiki> here].

Lab members are required to send in their requests for chemicals etc directly.

Code snippet 2

Check your skill level [https://tinyurl.com/yd969ekm here]

Check how I am going to mark you [https://tinyurl.com/ydy589eb here]

Online-test: Principles of Phonetics and Phonology (PPP) --> [https://tinyurl.com/yc9kdlrn download] [Uploaded 20 April 2020, 06:24 GMT+0530]

Due Tuesday, 21 April 2020, 09:00 am IST GMT+0530

This test is now closed.

See your marks [https://tinyurl.com/ydc8ltrf here]

Online-test: Introduction to Language Sciences (ILS) --> [https://tinyurl.com/ychtwvlf download] [Uploaded 26 April 2020, 23:00 GMT+0530]

Due Monday, 27 April 2020, 5:00 pm IST GMT+0530

This test is now closed.

See your marks [https://tinyurl.com/yd2bbn3u here]

<i>Week 1: 29 Mar-4 Apr 2020</i>

Phonological systems-I .. Video link [https://youtu.be/8eEA82xFEHo here]. [Uploaded 27 March 2020, 1618 GMT+0530]

Phonological systems-II .. Video link [https://youtu.be/niOcdTjRogM here]. [Uploaded 27 March 2020, 1826 GMT+0530]

Brief outlines of SPE Model-I .. Video link [https://youtu.be/F3iHfCoi7dU here]. [Uploaded 28 March 2020, 1901 GMT+0530]

Brief outlines of SPE Model-II .. Video link [https://youtu.be/gk7q4pOLFgl here]. [Uploaded 28 March 2020, 1903 GMT+0530]

Brief outlines of SPE Model-III .. Video link [https://youtu.be/EATA3JG6fR8 here]. [Uploaded 28 March 2020, 1905 GMT+0530]

Jakobson-Halle classification -> [http://faculty.washington.edu/wassink/LING450/CH6.pdf PDF1] ->

[http://slam.iis.sinica.edu.tw/NGASR/workshop/20051217-Feature-tables.pdf PDF2] [Updated 5 April 2020, 2105 GMT+0530]

Jakobson & Halle (1956): For details, read pp.7-11, 20-36 of [https://tinyurl.com/y9fvtzh6 PDF] [Updated 16 April 2020, 1411 GMT+0530]

IPA Phonetic Transcription.. Listen to the sounds..

Click for the interactive IPA Chart--> [https://www.internationalphoneticassociation.org/IPAcharts/inter_chart_2018/IPA_2018.html here] [Updated 6 April 2020, 0921 GMT+0530]

IPA Chart is available under a Creative Commons Attribution-Sharealike 3.0 Unported License. Copyright © 2015 International Phonetic Association.

THANK YOU!