# Timeline #2. CURTIS J. BONK
## (1977-2024)

# 48 years of: Technological Innovations & Experimentations

# Curtis J. Bonk: Tech Innovations

*Entered Field of Business (First 9 years—IT Corporate)*

**1977**
Designed first computer program in BASIC as a high school senior.

**1978**
Helped streamline production and inventory control record keeping for McQuay-Perfex as a teenager.

**1979**
Helped automate production and inventory control record keeping for Square D Company.

**1980**
Helped automate production and inventory control record keeping for Square D Company.

**1983**
Automated R &J Medical Supply financial systems, $10 million revenues.

**1984**
Automated ASI financial systems--timeshare system, $15 million revenues.

**1985**
Migrated ASI financials to a personal computer–budgets, cash flow, etc.

# Curtis J. Bonk: Tech Innovations (The next 35 years—Ed Tech)

*Left Business Career in January 1986 for Grad School at UW Madison in the Field of Educational Psychology*

## 1986
Created two video documentaries (mental health institute & two research parks), Madison, WI.

## 1987
Designed 4 summer computer camps in rural Wisc. communities.

## 1988
Co-created nationally distrib telecourse "Teacher Tackle Thinking: Critical Thinking in the Classroom," UW Extension.

## 1989
Co-developed keystroke mapping and computer prompting system.

*Summer of 1989 Left UW Madison and moved to West Virginia University*

## 1990
Co-founded and designed James Paige Learning Center & Computer Lab for at risk youth, Wheeling, WV.

## 1991
- Testing the "Knowledge Builder" and other collab writing tools.
- Continued design and support of the James Paige Learning Center.

## 1992
- Classroom of the Future at WVU—3 yrs (Chair of Committee).
- Coined term "cooperative hypermedia" (see 1994 publication).
- Create five-level Hierarchy of Collab Writing Technologies.

# Curtis J. Bonk: Tech Innovations

## Summer of 1992 Moved to Indiana University

**1993**
Taught
perhaps first blended
learning course in the
IU Sch of Educ.

**1994**
Project Blue Skies
(Indiana Weather Project):
kids in rural, urban,
suburban Indiana
investigate
meteorology via the Web.

**1995**
Combined
2 videoconferencing
systems: CU-SeeMe
and PictureTel.

**1996**
Conferencing on the Web
(COW) case learning with IU
preservice teachers (1996-
2001).

**1997**
• Taught second fully online
  courses in SOE at IU, "the
  Smartweb" for ed psych
  students.
• Developed suite of Web
  tools for LMS.

1. Developed "Bobweb" R546 website (Grant Continuing Studies Dept).
2. Web & Videoconferencing in Preservice Teacher Training grant.
3. TICKIT project for rural Indiana teachers. Funded 5 years (1998-2003).
4. Developed INSITE Web site to support ed psych textbook (a first).
5. TITLE Project: "The Intraplanetary Teacher Learning Exchange."
6. Developed Caseweb; set of cases for educ psych, Funded by IU.

**1998**

## 1999

- Devel of first online ed psych reader/coursepack, Bell & Howell.
- Founded CourseShare, LLC for course and resource sharing.
- TICKIT AND TITLE inservice and preservice teacher projects continue.

## 2000

- Funded/dev, free sharing portals, InstructorShare, ResourceShare.
- Technology contributor for major undergraduate textbook Psychology Applied to Teaching, Boston, MA; Houghton Mifflin.
- TICKIT AND TITLE inservice and preservice teacher projects continue.

## 2001

- Developed a Ten Level Web Integration Continuum for HE.
- Funded/Developed free sharing portals, BookstoreShare, UniversityShare.
- TICKIT AND TITLE inservice and preservice projects continue.

## 2002

- Funded/devel free sharing portals, LibraryShare, TrainingShare.
- TICKIT project for rural Indiana teachers continues.

## 2003

- Founded, funded, and developed SurveyShare (over 100,000 surveys created; millions of survey respondents); sold in 2010.
- TICKIT project for rural Indiana teachers continues.

## 2004

- Features added to SurveyShare.com & usability testing.
- Designed TEC-VARIETY framework for motivating online learners.

# Curtis J. Bonk: Tech Innovations

## 2005

Funded development of initial prototype for QuizShare.com.

## 2006

- Overhaul and features upgrades added to SurveyShare.com.
- Initial pilot of wikibooks (IU & University of Houston).

## 2007

- Coordinated cross-institutional & cross-cultural wikibook projects (China,Malaysia, Taiwan, IU, U of Houston, & Indiana State U).
- Expanded Web Integration Continuum Model to 12 Levels.

## 2008

- Developed R2D2 Model (Read, Reflect, Display, and Do).
- Produced 8-pack of learning theory video lectures (open access; used globally).

## 2009

- Featured several times in video series on online and blended learning, for Distance Ed Report, Magna Publications, Madison, WI.
- Featured several times in Starlink video series on blended/online learning and the Web 2.0, Dallas, TX (October 2008-January 2010).
- Published: The World is Open: How Web Technology is Revolutionizing Education, Jossey-Bass/Wiley.

# Curtis J. Bonk: Tech Innovations

**2010**

Produced 27 free online teaching training videos for IU (over 165,000 downloads): Video Primers in an Online Repository for e-Tchg & Lrng (V-PORTAL).

**2011**

Coined the term "extreme learning" and led a research team of over 20 people to conduct research on it.

**2012**

Taught first MOOC at IU and Blackboard, using CourseSites. Title: "Instructional Ideas and Tech Tools for Online Success." (nearly 4,000 enrolled)

**2013**

Pilot tested new tool at the E-Learn Preconference called Flipgrid (now owned by Microsoft and used by hundreds of millions).

**2014**

Published free Digital Textbook: Adding Some TEC-VARIETY: 100+ Activities for Motivating and Retaining Learners Online: http://tec-variety.com/; 250,000+ downloads.

**2015**

Developed MOOCsbook.com website for 3 MOOCs and Open Education books published in 2015 & 2020. See: http://moocsbook.com/.

**2016**

Featured in blended learning program, PBS Cincinnati, "Putting the Blend in Blended Learning," Public Media Connect-- CET/ThinkTV.

# Curtis J. Bonk: Tech Innovations

## 2017

Master's student training videos, MOOCs and Self-directed Learning, Universitat Oberta de Catalunya (i.e., the Open University of Catalona), Barcelona, Spain (video playlist).

## 2018

Combined two videoconferencing systems in Room 2101 of the School of Education to being in guest speakers from around the world—Cisco Crestron system and Zoom.

## 2019

- Using live video chats with experts and recorded shared online videos of experts to enhance learner engagement.
- Combined two videoconferencing systems to being in guest speakers from around the world—Cisco Crestron system and Zoom.

## 2020

Co-host of "Silver Lining for Learning" weekly Webcast series discussing the future of education (with Chris Dede, Harvard, Punya Mishra, ASU, and Yong Zhao, Univ. of Kansas).

# Curtis J. Bonk: Technology Innovations

## 2021

- "Silver Lining for Learning" weekly Webcast Show Season #2.
- Pilot testing technology in Woodburn Hall Room 203--the ALCOVE (Active Learning Classroom of Valuable Experiences) from UITS at Indiana University.

## 2022

- "Silver Lining for Learning" weekly Webcast Show Season #3.
- Continued Pilot testing technology in Woodburn Hall Room 203--the ALCOVE (Active Learning Classroom of Valuable Experiences) from UITS at Indiana University.

## 2023

- "Silver Lining for Learning" weekly Webcast Show Season #4.
- Incorporated Generative AI into a Series of Assignments.

## 2024

- "Silver Lining for Learning" weekly Webcast Show Season #5.
- Pilot test Microsoft Copilot.
- Expanded Generative AI Pedagogical Experimentation.

*See the following pages for a few visual examples…*

# A Few Sample Technology Projects (1986-2024)

# 1988-1989

## Dissertation Project

**Co-developed and tested a keystroke mapping system and computer prompting system in WordPerfect (with Tom Reynolds, UW Madison) (10 minute Video demo).**

# 1990-1992
## Project YES: Youth Enrichment Services
**Co-Founded the James Paige Learning Center and associated computer lab for at-risk youth in Wheeling, WV**
**(2 minute news Video and interview)**



Project YES (Youth Enrichment Services) video and TV reports, Wheeling, WV, 1990

Project YES (Youth Enrichment Services) video and TV reports, Wheeling, WV, 1990

# 1994-1995 (Co-designed with Dr. Ken Hay, IUPUI)

**Project Blue Skies/Indiana Weather Project (IWA)** for meteorology with kids in rural, urban, and suburban Indiana schools investigate meteorology via the Web (and Chris Wright from WISH-TV) with IU InterCampus Research Grant. (15 minute **Video** demo)
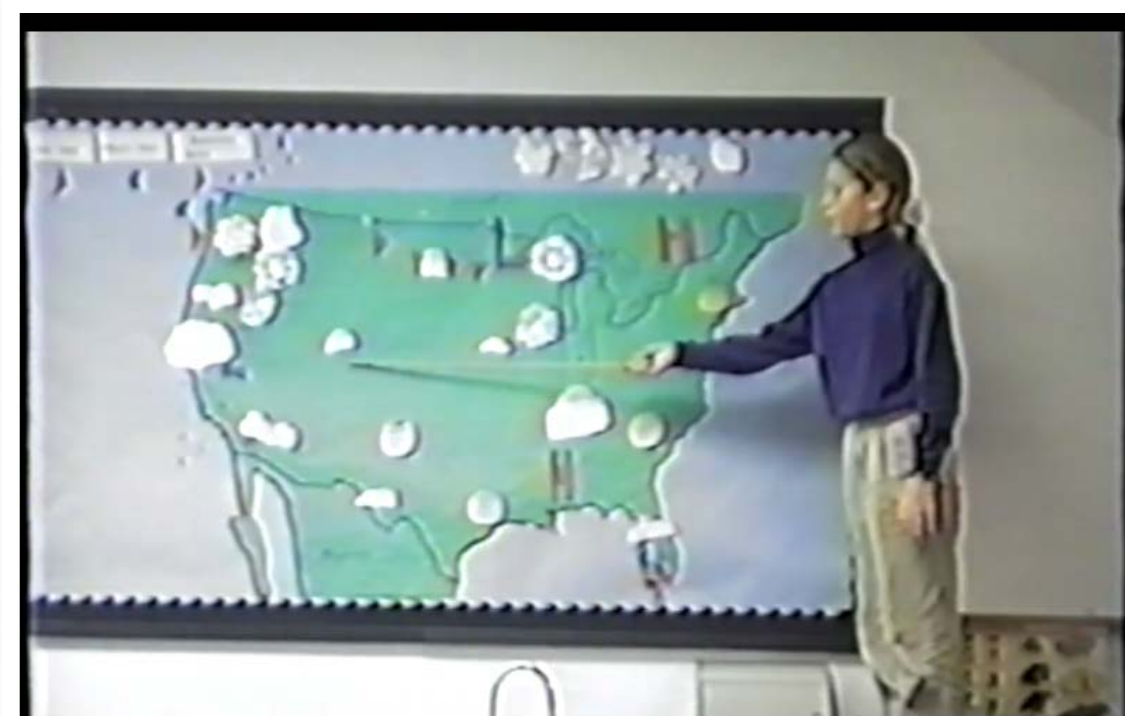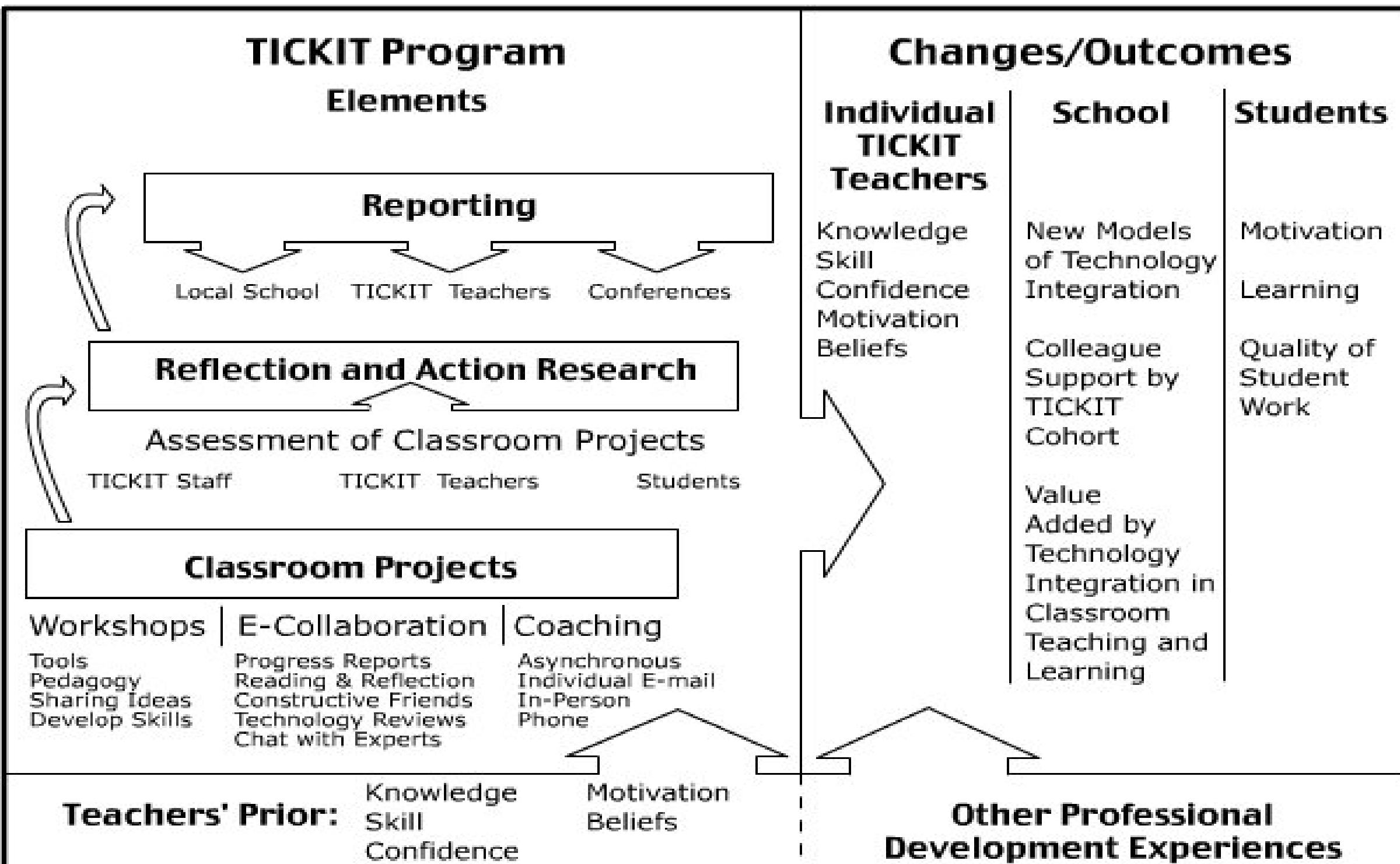


Various research projects

1 view

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SuperTravelinEdMan

Project Blue Skies: The Indiana Weather Project (IAW)

# 1998-2003 (co-designed with Dr. Lee Ehman, C&I Dept.)
## TICKIT (Teacher Institute for Curriculum Knowledge about the Integration of Technology in south and central rural Indiana schools)



## TICKIT Program Elements

### Reporting
Local School    TICKIT Teachers    Conferences

### Reflection and Action Research
Assessment of Classroom Projects
TICKIT Staff     TICKIT Teachers     Students

### Classroom Projects

| Workshops | E-Collaboration | Coaching |
|---|---|---|
| Tools | Progress Reports | Asynchronous |
| Pedagogy | Reading & Reflection | Individual E-mail |
| Sharing Ideas | Constructive Friends | In-Person |
| Develop Skills | Technology Reviews | Phone |
| | Chat with Experts | |

**Teachers' Prior:** Knowledge    Motivation
Skill    Beliefs
Confidence

## Changes/Outcomes

| Individual TICKIT Teachers | School | Students |
|---|---|---|
| Knowledge | New Models of Technology Integration | Motivation |
| Skill | | |
| Confidence | | Learning |
| Motivation | | |
| Beliefs | Colleague Support by TICKIT Cohort | Quality of Student Work |
| | Value Added by Technology Integration in Classroom Teaching and Learning | |

**Other Professional Development Experiences**

# 2020-2024 (Co-Host, Silver Lining for Learning Webcast Initiative)
## (Weekly Webcast show: New Educational Models and Ideas: 181 Episodes to Date)
### https://silverliningforlearning.org/
### https://silverliningforlearning.org/episodes/
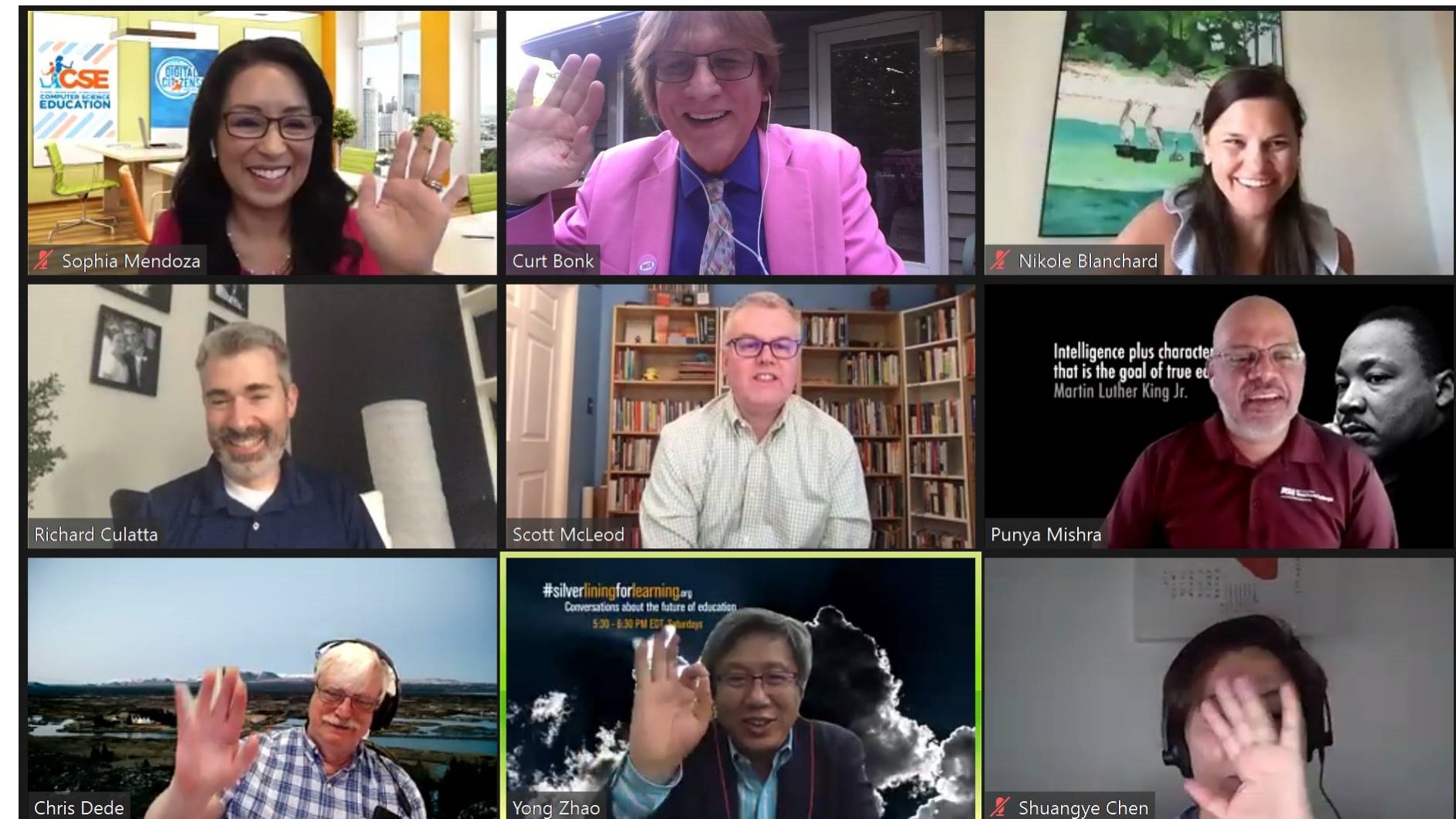
# 2020-2022 Researching Adolescent Youth
# Self-Directed Learning (SDL) from MOOCs in Nepal

# Sample Global Webinars on Learning Technology and Teaching Online

# May 27, 2020 (sample Webinar)

**Webinar by Curt Bonk and Meina Zhu on "Research Issues and Findings of MOOCs: Leading to Better Design Practices" for the Commonwealth of Learning (COL), Vancouver, BC, Canada (99 participants from seven countries, e.g., Bangladesh, Canada, India, Japan, Malaysia, Trinidad, and Tobago, and USA).**
**https://youtu.be/kmsWZi3vyrg**

**June 29, 2020 (sample Global Webinar)**
**Webinar in Zoom to 346 people from 60+ counties (650 signed up)**
**Topic: "How to Motivate and Retain Learners Online."**
**Featured free webinar for Contact North, Ontario, Canada.**
**Available: https://youtu.be/1uMc7pOO2to**

# February 8, 2024 (sample Global Webinar)
## Webinar in Zoom to 144 people from 35 counties (307 signed up)
Topic: "How Faculty can Harness Generative AI for Enhanced Learning."
Featured free webinar for Contact North, Ontario, Canada.
Available (Video: 1:11:50): https://youtu.be/vaJm_6l9nqU
Slides: https://www.trainingshare.com/workshop.php#cncd2023
Abstract: https://teachonline.ca/webinar/how-faculty-can-harness-generative-ai-enhanced-learning