Talk Overview

1. Jobs are changing
2. Education 20/20 and the Role of the Instructor
3. First and Last Principles of Instruction
4. Megatrends of Learning: Engagement, Access, and Customization (30 ways that learning is changing...)
5. Trends for tomorrow

Part 1: Jobs are Changing

Education 1.0
‘Those Jobs Are Gone’
Steve Kolowich, The Chronicle of Higher Education

(Circa Confucius 551–479 BCE)

November 28, 2017
Automation could kill 73 million U.S. jobs by 2030
Paul Davidson, USA Today

September 18, 2018
Machines will create 56 million more jobs than they displace by 2022, World Economic Forum says (133 million jobs will emerge and 75 million may be lost)
Hamza Shaban, The Washington Post
How PLATO changed the World...in 1960

Cait Etherington, ElearningInside News

PLATO was the first generalized computer-assisted instruction system. Starting in 1960, it ran on the University of Illinois' ILIAC I computer. By the late 1970s, it supported several thousand graphics terminals distributed worldwide, running on nearly a dozen different networked mainframe computers. Many modern concepts in multi-user computing were originally developed on PLATO, including forums, message boards, online testing, e-mail, chat rooms, picture languages, instant messaging, remote screen sharing, and multiplayer games.

Who Remembers VisiCalc???

How computing’s first 'killer app' changed everything

Tom Harford, BBC News

Dan Bricklin, inventor of the first computer spreadsheet

Remember Education 2.0?

The rise and fall of the company behind 'Reader Rabbit' and all your favorite educational games

Abigail Cain, The Outline

Remember Education 2.0?

The rise and fall of the company behind 'Reader Rabbit' and all your favorite educational games

Abigail Cain, The Outline

Starbucks Your Classroom!

Oskar Cymerman, Teaching Channel

Freedom is a key ingredient to social-emotional well-being and deeper learning. Rows and columns constrain. They hold and stifle. That is not freedom. That is the reality in many U.S. classrooms today. But no longer in mine. Never again.
In Education 3.0, classrooms would move away from lectures, such as this one, to having class time be spent on discussions and projects, using digital technology. (Per Wikipedia: https://en.wikipedia.org/wiki/Education_3.0)

Now What is Education 4.0?
“Innovation-producing education. Learn more in: Development of Individual Agency within a Collaborative, Creative Learning Community”
http://www.igi-global.com/dictionary/education-40/41755
https://thinc.in.th/engadmission/education4.html (Chula Engineering)

In fact, every year since 1840, there has been a three-month increase in life expectancy. Today the average life expectancy in the United States is 79, and millennials have a 50 percent chance of living to 100 years. In past centuries, people would study, get a job and retire at age 65. But times have changed, and it’s now estimated that the average person will have 12 to 14 careers in a lifetime.
July 24, 2018
The 100-Year Life: Living and Working in an Age of Longevity
Lynda Gratton and Andrew Scott
http://www.100yearlife.com/
https://www.amazon.com/100-Year-Life-Living-Longevity/dp/1543624634

March 13, 2019
The Career Curriculum Continuum
Andrew Hermalyn, Inside Higher Ed

February 25, 2020
The 60 Year Curriculum:
Developing New Educational Models to Serve the Agile Labor Market
Chris Dede, Harvard University, The Evolllution

August 21, 2016
ST Future Economy Roundtable: Is Asia ready for the Fourth Industrial Revolution?
The Straits Times
http://www.straitstimes.com/asia/is-asia-ready-for-the-fourth-industrial-revolution

“It’s quite clear that the established models of education have to change and adapt to the new environment.”

April 13, 2016
The Fourth Industrial Revolution: What it means, how to respond
Klaus Schwab, Founder and Executive Chairman, World Economic Forum
http://www.weforum.org/agenda/2016/01/the-fourth-industrial-revolution-what-it-means-and-how-to-respond/
http://www.tubechop.com/watch/8280981

July 11, 2017
The Rise of the Phigital Learner
Going ‘phigital’ 4 things schools need to know about Generation Z, Todd Kominiak, TrustED

3 must know’s about the rising “phigital” student-and why their impact is enormous,
July 30, 2020
Disruptive Ecology:
The New Normal of Education in Post COVID-19

Poll #1: Before COVID, did you ever teach a blended (face-to-face and online) course?
- a. Yes many.
- b. Yes, just a couple.
- c. No, but I taught one or more technology enhanced ones.
- d. No but I am willing to try.
- e. No and I like it that way.

Poll #2: Before COVID, did you ever teach a fully online course?
- a. Yes, many.
- b. Yes, just a couple.
- c. No, but I taught one or more blended ones.
- d. No but I am willing to try.
- e. No and I like it that way.

Poll #3: Have you reflected on your teaching philosophy or approach during COVID-19?
- a. Yes many times and I am dramatically changing my philosophy statement.
- b. Yes many times and I am taking action (meeting people, reading more, attending webinars like this, etc.).
- c. Yes, I thought about it a couple of times and I am tweaking it.
- d. Not sure. I'm kinda brain dead right now.
- e. No, my teaching philosophy is basically the same.

Poll #4: Have you even been to an e-learning or online learning conference, institute, or summit?
- a. Yes many times.
- b. Yes, once or twice.
- c. No, but I want to go.
- d. No. And I am not going to go.

Part II. Education 20/20
1. Instructor as Counselor

2. Instructor as Consultant

3. Instructor as Conductor

4. Instructor as Course Ambassador

From Instructor as Credit Manager and Court Room Judge
5. Instructor as Curator

6. Instructor as Concierge

7. Instructor as Camping Trip Guide

8. Instructor as Cultivator

20 New Roles of the Instructor

[Chart showing various roles such as Course Ambassador, Curator, Consultant, Community Organizer, Cultivator, Course Expedition Leader, Collaborator, Care Giver, Comedian, Conductor, Concierge, Chef, Change Catalyst, Advocate, Collector, Connoisseur, Colleague, Chemist, Coach, Counselor, Consumer Advocate, Captain, Curator, Colleague, Care Giver]
Merrill’s First Principles of Teaching/Instruction

Integration | Activation
Application | Demonstration

1. The Principle of Flexibility
(e.g., multiple due dates, grace period, flexible agenda, etc.)

2. The Principle of Convenience
(e.g., multiple ways to turn in, record the class, get student input on time to teach the class, etc.)

3. The Principle of Collegiality
(e.g., help turn papers into publications, introduce students to colleagues, ask them to share resources and papers with you, etc.)

4. The Principle of Cheerfulness and Optimism
(e.g., smile, celebrate accomplishments, positive feedback before any criticisms, etc.)
5. The Principle of High Expectations

http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html

(e.g., post high quality student work, challenge, offer job aids, mention students prior successes like conference presentations from final projects, etc.)

6. The Principle of Choice and Options

http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html

(e.g., sign up for weeks to present, have 10 midterm or final options and pick any 4, choose if want to work in groups or as an individual, etc.)

7. The Principle of Empowerment and Autonomy

http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html

(e.g., build something for a wider audience, design, negotiate the syllabus in a wiki, student vote on agenda items, student presentations of final projects, etc.)

8. The Principle of Support and Feedback

http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html

(e.g., offer extensive feedback, assign critical friends for feedback, offer summary feedback for common questions, use job aids and scaffolds, etc.)

9. The Principle of Spontaneity

http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html

(e.g., try stuff out and debrief, teach agenda or syllabus, combine ideas, etc.)

10. The Principle of Organization

http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html

(e.g., create and share agenda in advance, contact guest speakers in advance and share their bios and pics, arrange order of student presentations, etc.)
11. The Principle of Sharing
http://travelinedman.blogspot.com/2011/05/bonks-last-principles.html

12. The Principle of Nontraditional Learning
http://travelinedman.blogspot.com/2011/05/bonks-last-principles.html

13. The Principle of Passion and Inspiration
http://travelinedman.blogspot.com/2011/05/bonks-last-principles.html

14. The Principle of Relevance and Meaningfulness
http://travelinedman.blogspot.com/2011/05/bonks-last-principles.html

15. The Principle of Trial and Error (i.e., it is ok to fail)
http://travelinedman.blogspot.com/2011/05/bonks-last-principles.html

16. The Principle of Expanded Resources
http://travelinedman.blogspot.com/2011/05/bonks-last-principles.html
The World is Open: How Web Technology Is Revolutionizing Education

The World is Open

The World is very open!
(South University of Science and Technology of China, Wednesday June 10, 2015)

17. The Principle of Human Connectedness

18. The Principle of Cognitive Apprenticeship
19. The Principle of Purpose and Vision

http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html

“One Purpose”

20. ??? (what is missing)

http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html

Bonk’s 20 "Last" Principles of Instruction (LAST = Learning Activation System Template)

http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html

Flexibility
Convenience
Collegiality
Cheerfulness and Optimism
Empowerment and Autonomy
Choice and Options
Support and Feedback
Nontraditional Learning
Spontaneity
Passion and Inspiration
Organizations
Relevance and Meaningfulness
Sharing
Trial and Error (i.e., it is ok to fail)
Purpose and Vision
Human Connectedness
Expanded Resources
Cognitive Apprenticeship

Part IV. Thirty Ways Learning is Changing...

(i.e., it's more informal, video-based, ubiquitous, collaborative, self-directed, global, mobile, open, massive, etc.)

November 11, 2020
Educational technology is coming of age during the pandemic: Nowhere more so than in India

30+ Ways Learning is Changing: The Mega Trends

Mega Trend #1. Learner Engagement

How Learning is Changing: Mega Trend #1. Learner Engagement

Learning is Digitally Rich

April 20, 2020
Learning is Digitally Rich
New website offers tips for teachers about virtual special education
Carolyn Jones, April 20, 2020, EdSource
Teachers can share ideas online for serving students with disabilities during the pandemic:

July 26, 2020
Learning is Digitally Rich
EDUCATING ALL LEARNERS DURING THE COVID-19 DISASTER
An alliance dedicated to equity for complex learners
https://www.educatingalllearners.org/
Resources and Guidance for Educators
https://www.educatingalllearners.org/for-educators
https://www.educatingalllearners.org/for-educators/resources

Interactive Labs and Simulations

Learning is More Hands-on

May 11, 2020
Learning is More Game-based
What is smileUP & How to use it?
SMILE, Paul Kim at Stanford
https://www.youtube.com/watch?v=p8RUsSALWo

11/13/2020
Question Answering: Level 1 – Level 5

November 8, 2018
Learning is More Personalized
Paul Kim keynote in Taiwan
Education 4.0 Conference

- When did Elon successfully launch the SpaceX program?
- Who admitted that launching the car into space was “kind of silly and fun”?
- What are the things Tesla designed?
- What were the things Tesla couldn’t determine the cause of?
- How do you compare Elon Musk and Nicolas Tesla?
- How is Mars different from Jupiter?
- Why did Tesla build a plant in Colorado, not in New York?
- Why did Tesla at first consider whether they were “electrical disturbances as are produced by the sun”?
- If he did not devise ever-more sensitive receivers to detect these waves, what could have been the consequence?
- If he did not introduce the AC motor in the late 1880, what would have been the consequence?
- What are the things Tesla designed?
- What were the things Tesla couldn’t determine the cause of?
- Why did Tesla build a plant in Colorado, not in New York?
- Why did Tesla at first consider whether they were “electrical disturbances as are produced by the sun”?
- If he did not devise ever-more sensitive receivers to detect these waves, what could have been the consequence?
- If he did not introduce the AC motor in the late 1880, what would have been the consequence?

November 8, 2018
Learning is More Mobile
CES 2018: Your guide to the biggest consumer electronics show
USA Today

The Octopus watch from Joy, an icon-based watch for kids to have good habits is on display during CES.

October 8, 2018
Learning is More Social
First look: Facebook unveils Portal video calling devices for the home with Alexa
Edward C. Baig, The USA Today

Video (1 minute): http://curtbonk.com/facebook-portal.html

April 22, 2018
Learning is More Visual
Microsoft AI Commercial ft. Common

Video: 1:00: Microsoft AI Commercial ft: https://www.youtube.com/watch?v=9tucY7Jhhs4 (Feb 11, 2018)
Video: 1:48: Microsoft AI: Amplifying Human Ingenuity: https://www.youtube.com/watch?v=NDmu7Z5NPXo
Video: 1:00: Microsoft AI: Empowering Innovators ft. Common: https://www.youtube.com/watch?v=Z5OWdqfAYfw (April 22, 2018)

October 20, 2020
Learning is More Visual
The British Museum
https://britishmuseum.withgoogle.com/
**May 14, 2018 (Engagement)**

Learning is More Adventurous
Aaron Doering, Chasing Seals, TEDx
http://chasingseals.com/
https://twitter.com/chasingseals

When a teacher glances around her classroom, Lumio allows her to see real-time analytics (in the form of icons) floating directly above each student's head. The teacher can glance directly at a student or "click" on a student's icon to see more detailed information about where and how that student might be struggling.

**May 1, 2018**

Learning is More Immersive
3 ways districts can use AR and AI
Justin Anglio, eSchool News
https://www.eschoolnews.com/2018/05/01/3-amazing-ways-our-district-is-using-ar-and-vr/

When a teacher glances around her classroom, Lumio allows her to see real-time analytics (in the form of icons) floating directly above each student's head. The teacher can glance directly at a student or "click" on a student's icon to see more detailed information about where and how that student might be struggling.

**July 17, 2017**

Learning is More Immersive
Learning Chemistry in Virtual Reality,
Sarah Hardman, New Learning Times

1:38 video: https://vialogues.com/vialogues/play/38337/
All: http://curtbonk.com/chemistry-vr.html
01.:41: http://curtbonk.com/chemistry-vr-1.html

**May 18, 2017**

Learning is More Immersive
Google Expeditions Adds Augmented Reality for Classrooms, Sri Ravipati, THE Journal
https://thejournal.com/articles/2017/05/18/google-expeditions-adds-augmented-reality-for-classrooms.aspx
https://www.youtube.com/watch?v=27 seconds http://curtbonk.com/thejournal27.html
38 Seconds http://curtbonk.com/thejournal38.html
1:10: http://curtbonk.com/thejournal.html

Google Expeditions Adds Augmented Reality for Classrooms, Sri Ravipati, THE Journal
https://thejournal.com/articles/2017/05/18/google-expeditions-adds-augmented-reality-for-classrooms.aspx
https://www.youtube.com/watch?v=27 seconds http://curtbonk.com/thejournal27.html
38 Seconds http://curtbonk.com/thejournal38.html
1:10: http://curtbonk.com/thejournal.html

**June 23, 2020**

Learning is More Synchronous
Turns Out You Can Build Community in a Zoom Classroom
Rachel Toor, The Chronicle of Higher Education

How Learning is Changing:
Mega Trend #2. Pervasive Access

Informal, Global, Open, Video-based, Ubiquitous, Direct from experts, Online, Immediate
September 23, 2020
Learning is More Synchronous
Introduction to Class for Zoom
Michael Chasen, Co-Founder & CEO of Class for Zoom
https://www.youtube.com/watch?v=3_2MVEOlzRs&feature=emb_logo

November 10, 2020
Learning is More Synchronous
'Telepresence' robots are making virtual school feel a little more like real school
Jennifer Davis, The Washington Post

June 5, 2018
Learning is More Global
Chatterbox: Master a Language, Change a Life
The overall winner in the competition was Chatterbox, an online language school powered by refugees
Mursal Hedayat, London
https://wearechatterbox.org/
https://www.youtube.com/watch?v=3K3VexuIpe0

July 7, 2020
Learning is More Immediate...
Science in the News
'Holy Grail' of dinosaur fossils discovered in Egyptian desert, Doyle Rice, USA Today
'Siberian unicorn' once walked among early humans, Tara John, CNN

April 11, 2020
Learning is More Video-based...
(e.g., Flipgrid)
Ed Tech with Adam: https://www.youtube.com/watch?v=HeyPjWpeAxs

April 29, 2020
Learning is More Video-based...
Animated COVID-19 prevention video goes viral
Mandy Erickson, SCOPE Stanford Medicine
https://www.youtube.com/watch?v=UcFDdfueQRg
July 25, 2020
Learning is More Video-based...
Silver Lining for Learning
https://silverliningforlearning.org/
https://www.youtube.com/channel/UC9XEsh89qrIlpmVVpQt

March 19, 2018
Learning is More Free and Open
Open Textbook Network
Center for Open Education, University of Minnesota
http://research.cehd.umn.edu/

January 9, 2019
2018 National Higher Education Report
Freening the Textbook: Open Education Resources in U.S. Higher Education, 2018
Julie E. Seaman and Jeff Seaman

August 9, 2017
Learning is More Free and Open
Modern State Education Alliance
https://modernstates.org/

March 21, 2018
Learning is More Direct from Experts
TeachMeNow and VIPKid
TeachMeNow is a gig-economy platform for teachers. This marketplace connects teachers, experts, and mentors to students. The technology, content, scheduling, payments and the virtual sessions that are created are used to allow students to engage with their own learning, work from anywhere, or from their own school. This marketplace allows teachers to create their own online businesses, with some earning over $150K and plus. In addition, local and corporate clients are interested in the teacher's network. By utilizing this platform, teachers can create a community of students and mentors.
https://teachmenow.com/

How Learning is Changing:
Mega Trend #3. Customization
massive self-directed
blended flipped
communal personal
competency-based modular
on-demand
July 31, 2020
Learning is More Personal
Khan Academy aims to give ‘strategic
supplement’
Brett Molina, USA Today
https://www.usatoday.com/story/tech/2020/07/30/khan
academy-ceo-sal-khan-prepping-full-virtual-learning/5525480002/

March 2, 2018
Learning is More Modifiable
The Architecture of Ideal Learning Environments
Emelina Minero, Edutopia
https://www.edutopia.org/article/architecture-ideal-learning-
environments

August 22, 2020
Learning is More Blended
Blended in Action
Raise Your Hand Texas
https://www.raiseyourhandtexas.org/foundation/blended/blended-
in-action/

August 23, 2020
Tips and Guidelines
Catlin Tucker blog
https://catlintucker.com/
Professional Certificates
October 3, 2019
Google IT Professional Certificates
Coursera Blog
https://grow.google/programs/it-support/?cid=wc&source=ams&sourceId=61203
Video: Melinda Williams: Aspiring IT Support Specialist (2:57)
https://www.youtube.com/watch?time_continue=107&v=fvhPKZWbfms&feature=emb_logo

Alternative Credentials on the Rise
August 27, 2020
Paul Fain, Inside Higher Ed

New Udemy Report Shows Surge in Global Online Education in Response to COVID-19
April 30, 2020
There has been an intense surge in enrollments in courses related to Telecommuting (21,598% increase) and Virtual Teams (1,523%), as well as Decision Making (277%), Self Discipline (237%), and Stress Management (235%).

By the Numbers: MOOCs During the Pandemic
August 16, 2020
Dhawal Shah, Class Central

Greetings from Nepal,
Baman Kumar Ghimire
Teacher, Motherland Secondary School, Pokhara
I held a workshop on computer science and math to teach that in less than 8 months 78 students of age 10-15 from that school completed at least a MOOC.
Likewise, lately reported that a school whose head teacher and a few students I mentored in 2017 has about 350 students completing at least a MOOC. Acknowledging the benefits of MOOCing and the growing interest of the students and guardians, the school administration has made at least a MOOC compulsory for the students age 11-14 in the school.
November 26, 2019
Sanjaya Mishra, Martha Cleveland-Innes, and Nathaniel Ostashewski

November 26, 2019
Chapter 16: Courses for a Cause: MOOC Contributions to a "Better Place for All"
(Marianne Krasny et al., 2020)

November 26, 2019
Chapter 25. Responsive Innovations in MOOCs for Development: A Case Study of AgMOOCs in India 300
Balaji Venkataraman and Tadinada V. Prabhakar
http://www.agmoocs.in/

30+ Ways Learning is Changing:
Recapping the Three Mega Trends: Engagement, Access, and Customization
June 8, 2019
The second half of humanity is joining the internet:
They will change it, and it will change them
The Economist
https://www.economist.com/leaders/2019/06/08/the-second-half-of-humanity-is-joining-the-internet

Part V. Trends for Tomorrow
http://www.huffingtonpost.ca/dr-marie-bountrogianni/prepare-for-future-learning_b_16407756.html
**August 1, 2018**

1. **Independent Studies Via MOOCs**

   MOOC: AI A-Z: Learning How to Build an AI Online Course and Machine Learning
   Mengyuan Zhao
   https://www.udemy.com/artificial-intelligence-az/
   https://www.coursera.org/learn/machine-learning

   **October 12, 2018**

2. **OER-Based Courses and Programs**

   The Chronicle of Higher Education
   Launching OER Degree Pathways: An Early Snapshot of Achieving the Dream’s OER Degree Initiative and Emerging Lessons

   Saving money with open-ed resources.

   • A large-scale effort to encourage the use of open education resources has helped students save money and bolstered their learning, according to a report, released today, on the findings from the second year of Achieving the Dream's OER Degree Initiative. The study found that:

   • Students saved between $66 and $121 per course.
   • Over 60 percent of students reported that the overall quality of their learning experience in an OER course was higher in comparison to a typical, non-OER course.
   • The number of OER courses at participating institutions jumped from 13 in 2016 to 385 in the spring of 2018; the number of students enrolled in OER courses went from 3,404 in 2016 to 37,398 in 2017.

   **September 22, 2017**

3. **Binge Learning Experiences**

   What Online Education Can Learn from Netflix
   Henry Kronk, E-learning Inside News
   https://theumlaut.com/binge-learning-is-online-education-killer-app-84da18f8ae76

   **June 11, 2017**

4. **Rise of Super E-Mentors and AI Coaches**

   (Paul Kim, 2018)
   https://www.youtube.com/watch?time_continue=4&v=7EuSTu1iR2A
   http://curtbonk.com/mandarin.html

   **September 26, 2018**

5. **Interactive Agents and Tutors**

   Pushing the Boundaries of Learning With AI
   Lindsay McKenzie, Inside Higher Ed
   https://www.usatoday.com/story/tech/2017/01/30/robotic-barista-now-serving-really-fast/95888780/

   Professor Einstein, an educational Wi-Fi connected robot is on display at the Hanson Robot display during the opening day of Consumer Electronics Show 2017. (Photo: Robert Hanashiro, USA TODAY)

   **January 30, 2017**

6. **Professor Einstein PDA’s**

   Professor Einstein PDA’s
   http://www.usatoday.com/story/tech/2017/01/30/robotic-barista-now-serving-really-fast/95888780/
University of the Third Age, London, UK

U3A (The University of the Third Age) is a UK-wide movement which brings together people in their ‘third age’ to develop their interests and continue their learning in a friendly and informal environment.

If you’re wondering what we mean by the third age—it is a time after you have finished working full-time or raising your family and have time to pursue your interests or just try something new.

Learning in 2050
Edward J. Mahoney and Joshua Kim, Inside Higher Ed
Per Kim and Mahoney: “Where might we be in 2050? As we said, a lot can happen. We might see changes in how we use technology, and how students use technology engage in both curricular and co-curricular activities.”

Chat Window Poll: Is this an Evolution or Revolution?

Poll #5: What are you most concerned about then teaching online?
- a. Access issues
- b. Personalization issues
- c. Engagement issues
- d. Nothing…everything is running smooth

Poll #6: Does all this stuff that you heard give you a headache?
- a. Yes, but I am still excited to try things out.
- b. Yes, and I need some medicine and a break.
- c. Not sure.
- d. No, let’s go all day.
- e. No, let’s go another hour.
- f. No, it was just right.
Poll #7: Do you consider yourself to be an:

a. Education 1.0 teacher  
b. Education 2.0 teacher  
c. Education 3.0 teacher  
d. Education 4.0 teacher

Poll #8: Education 3.0 or even 4.0 is possible in the next few years…?

a. Definitely, Definitely, Definitely…  
b. Probably, Probably, Probably,  
c. Maybe, Maybe, Maybe  
d. You got to be kidding…NO!

Things are heating up!

The Learning Revolution is coming within reach!

Remember…
“I cannot do this alone.”
“I cannot do this alone.”
“I cannot do this alone.”

Any Questions or Comments?

Slides at: TrainingShare.com  
Papers: PublicationShare.com  
Free book: http://tec-variety.com/  
Email: cjbonk@indiana.edu