

*3<sup>rd</sup> Quarter 2020 Lead Instructor CE*

# Resources for Lead Instructors



Completion of Powerpoint and Quiz is worth 3 CEUs under 071000E1220

# Objectives

**Educational Techniques, and content delivery modes**

**Kahn Academy introduction**

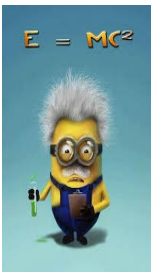


**Survey Monkey Overview, and data accumulation**

**Other digital media aides to education**

# Introduction

- Our world has been turned upside down by a situation outside our control, but as Professional Educators we have to adapt and overcome. The call for E.M.S practitioners is greater than ever, and we must prepare our students to fill these positions. Our classroom setting cannot remain in its traditional form. Now more than ever we must rely on the good ole “inner-web” to conduct and create educational opportunities and fulfill our obligations to students. The following presentation will highlight some of the formats available.



# *THE E - DIMENSION*

- Here are some Techniques we should be familiar with
  - Flipped Classroom
  - Mind Mapping
  - Self Learning
  - Adaptive Learning



# Techniques

- **Classroom Flipping**

- In a traditional class students are given home work after hearing the

- material that was presented, to flip this we give the course information to

- the students prior to class then encourage them to preview it and engage in a

- online class discussion.

# Techniques

## **Classroom Flipping (cont.)**

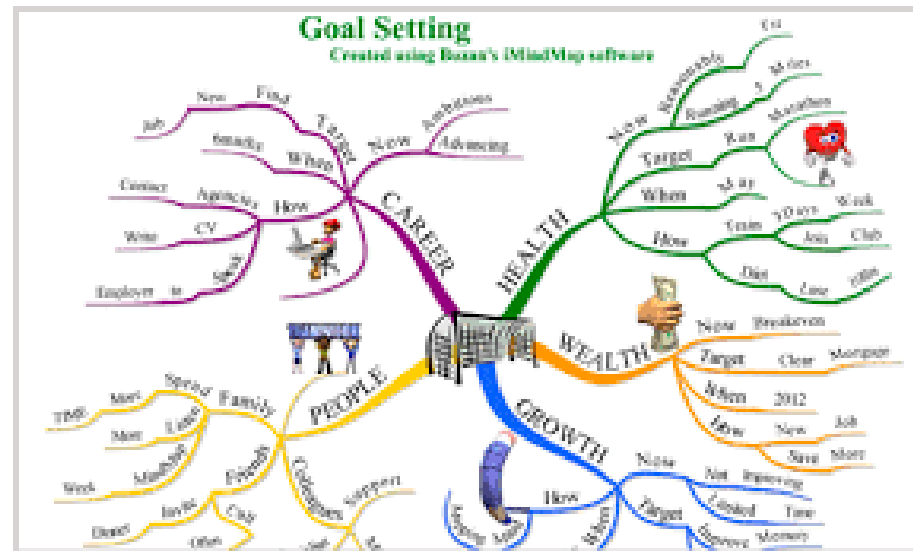
The chat session can be synchronized or a-synchronous.

This gives the students the opportunity to delve deeper into the subject matter.

# Techniques (cont.)

- **Mind Mapping**

An excellent way to teach visual learners. A mind map is a diagram, of ideas or Concepts, used to organize, and study information and bring visual learners to a central idea. They are great for making connections between concepts, planning projects, and understanding the material presented. Very similar to flow charts.



# Techniques (cont.)

- **Self learning**

A good way to get our self starting students to invest in the subject matter is to

give them a sense of ownership of the course material. By giving students a

portion of the material to research and report back on we can help them

achieve a more firm control of the information, and give the them a sense of

achievement.



# Techniques (cont.)

## Self learning (cont.)

Don't confuse this with self paced learning, there must be time constraints to help structure the class and expedite the learning process.

This will go hand in hand with case studies later on, and also the **Flipped Classroom** technique.

# Techniques (cont.)

- **Instructional design(cont.)**

This concept is a fast growing idea in the E learning world. It entails designing each students learning experience to fit their unique backgrounds and experience, and allow them to bring something to the table as well.

# Techniques (cont.)

- **Instructional design**

To use this method we have to get to know our students better. Using surveys sent out prior to class to get an idea of their background and experience. Then tailoring their learning experience to fit their abilities and needs. The easiest way to grasp this concept is to embrace the fact that there is no *“one size fits all”* approach to learning or teaching.

# Techniques (cont.)

- **Adaptive learning**

Using the technology we have to its fullest extent is vital to student success,

and thereby course evolution. We, as lead instructors, must be contently open

to new experiences for our students.

# Techniques (cont.)

In order to transform our groups from

passive learners into active participants, in their learning experience, we have

to engage them and challenge them to be better. When a student feels

empowered to learn they take ownership of the experience and can maximize

their opportunities.

# Content Delivery

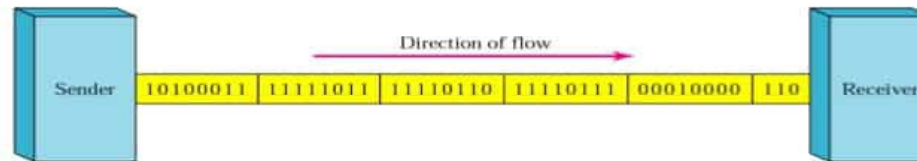
- **Synchronous Instruction**

This replicates the traditional classroom a great extent. Live streaming video,

chat rooms, telephone availability, and virtual office hours are all ways to use

this method.

Synchronous Transmission



# Content Delivery(cont.)

## Synchronous Instruction(cont.)

This type of instruction can be one way, with students unable to ask questions, or two way with students able to ask real time question. This depends on the technology available and instructor preference.

This method can be used to develop Asynchronous instruction content.

# Content Delivery

- **Asynchronous Instruction**

- This allows students to learn during the times that work well for them. Class content can be recorded, from a live lecture, or recorded and saved.

Power Point Presentations, discussion boards, E-Mail, and the new Micro Soft

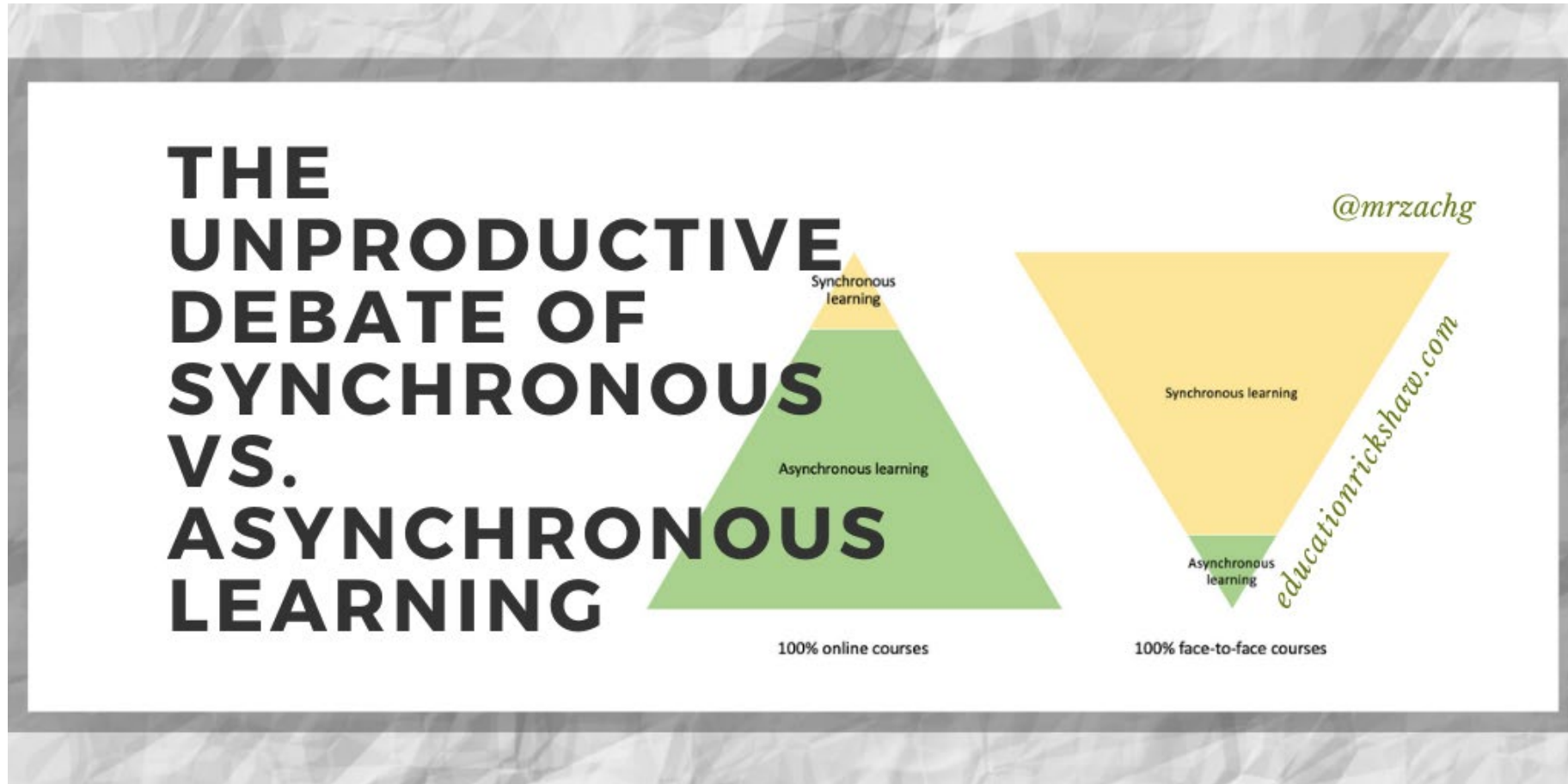
Teams software are all available forums to develop this type of instruction.



Content

(cont.)

Delivery



# Content Delivery(cont.)

- Few instructors adopt just one technique or delivery method. Our students success depends on our ability to adapt to the ever changing needs of those whom we guide in their educational experiences.

The following slides contain some information and guides on how to enhance the content delivery modes and instructional techniques.

# Places to go! *(online)*

The following slides contain some information and guides on how to enhance the content delivery modes and instructional techniques.



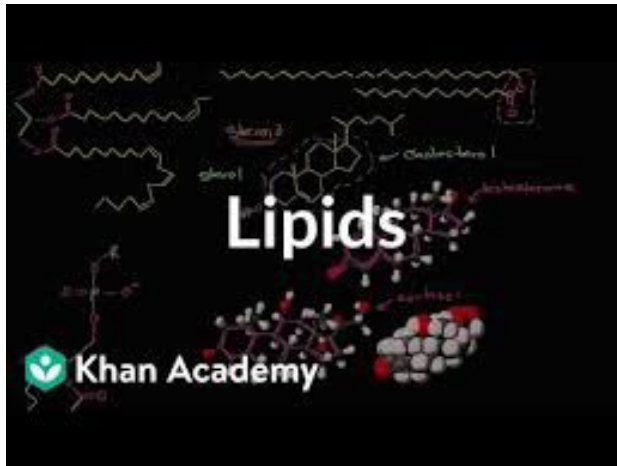
# Kahn Academy

- The Khan Academy is a non-profit educational organization that provides free video tutorials and interactive exercises. The Academy's declared mission is "changing education for the better by providing a free world-class education to anyone anywhere."



## *Kahn Academy (cont.)*

- The lessons were conceived primarily for distance learning but are also suitable for use in the classroom. The tutorials are informal in style and organized for building knowledge one concept or lesson at a time. Many lessons are delivered as electronic blackboard talks by someone with an apparent enthusiasm for the topic.



## *Kahn Academy (cont.)*

- Khan Academy website users can maintain records of their progress.  
Through the website, teachers can also monitor the progress of students who are using the site. In pilot experiments schools are using a concept called “flipping the classroom” which involves students watching the Khan Academy lectures at home and then using classroom time for exercise and testing. In this model, the teacher’s role is changed from lecturer to tutor and progress monitor.

## *Kahn Academy (cont.)*

- The Khan Academy can be seen as one of the best publicized and most promising examples of the power of the Internet to educate and to transform traditional education. As of 2015, the Academy offered learning content for over 5,000 subjects -- a great many on mathematics and the sciences but also including, for example, economics and art history.

## *Kahn Academy (cont.)*

- The Khan Academy is part of an ongoing movement making educational resources freely available online for users all over the world. Related resources include MIT's Open Course Ware (OCW) and various massively open online courses (MOOC).





## *Kahn Academy (cont.)*

- <https://youtu.be/RcLy8Cyxw2k>



# Survey Monkey

- SurveyMonkey is a tool that allows you to launch any kind of online survey project, be it for the purpose of market research, a quick poll, competitive analysis or customer or the employee feedback. This easy-to-use platform allows you to tailor your surveys according to your defined target audience.

# Survey Monkey(cont.)

- The automated and advanced features of SurveyMonkey are designed to help all kinds of professionals to conduct different types of surveys online and get real time results by reaching out to millions of people.



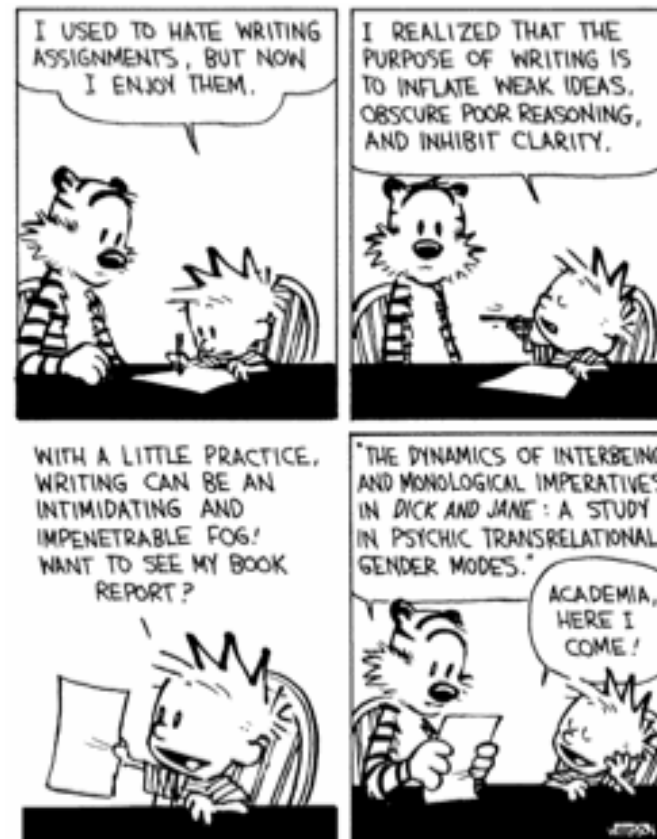
# Survey Monkey(cont.)

The huge amount of data collected can easily be

analyzed through data analysis and

reporting features offered by

SurveyMonkey.



## Survey Monkey(cont.)

Moreover, for further collaborative purposes, the data and report analysis can be exported into different formats and shared across teams. Consequently, data-driven decisions are made for the better running of the organizations and its counterparts.

# Survey Monkey(cont.)

- Creating, collecting and analyzing data from million of respondents has become an easy feat through SurveyMonkey. Built-in with configurable and collaborative attributes, this online survey tool can serve almost all the research based purposes of the conducting surveys.

## Survey Monkey(cont.)

Long and short, simple and complex surveys can be created within minutes. And, the customizable features add to the interactive interface that SurveyMonkey offers to its users.

# Survey Monkey Features

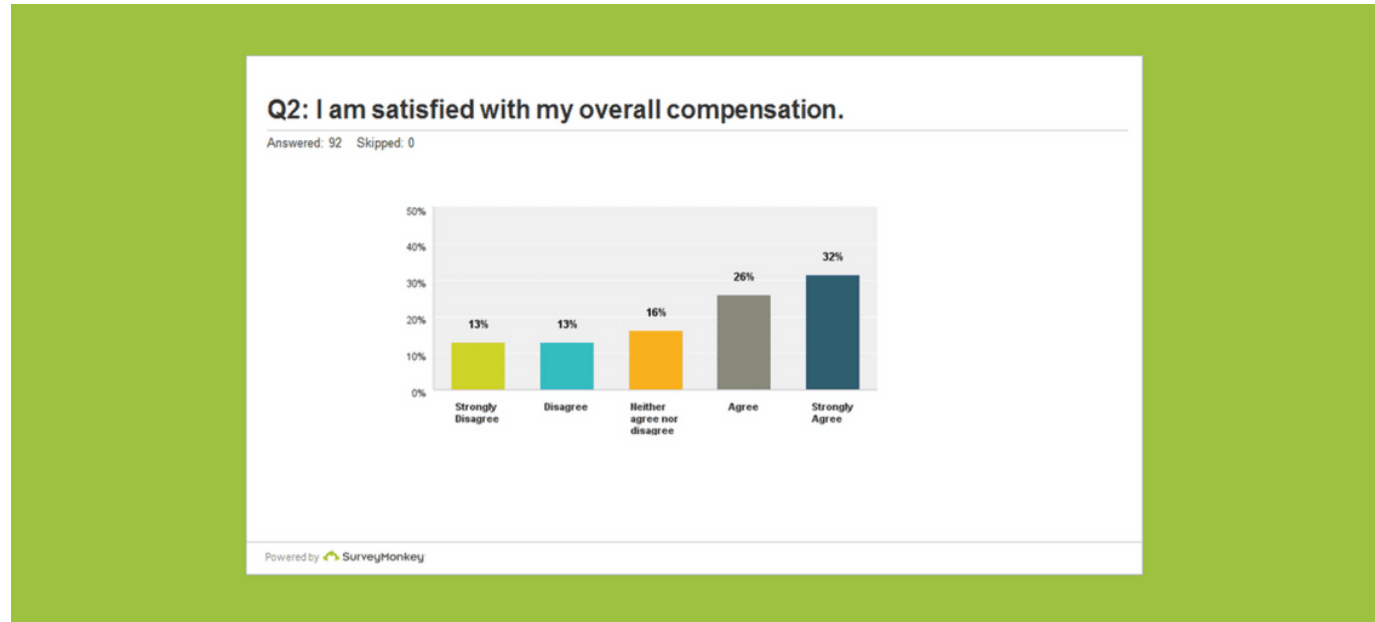
- Survey Templates
- Skip Logic
- Real-time results
- Enterprise-grade features





# Survey Monkey Features (cont.)

- SPSS integration
- Custom reporting
- Text analysis
- Consolidated account management
- Net Promoter Score



# Survey Monkey Features (cont.)

- Answer Validation
- Customizable Survey Links and Design Themes
- Custom branding
- Filter and cross-tabbing
- Export Results to Excel and PDF

## Invitations



30 clicked through (81.1%) 

0 opted out 



# Survey Monkey Cost

Like Kahn Academy, Survey Monkey can be free. There are also paid plans for more advanced capabilities.

- **Basic** – Free forever
- Unlimited surveys
- 10 questions per survey
- 100 responses per survey
- 3 collectors per survey



# Survey Monkey Cost (cont.)

- **Standard** – \$37/month (billed monthly)
- Unlimited surveys
- Unlimited questions per survey
- 1,000 responses per month
- Unlimited collectors per survey



# Survey Monkey Cost (cont.)

- **Advantage** – \$32/month (billed annually – \$384/year)
- Unlimited surveys
- Unlimited questions per survey
- Unlimited responses per survey
- Unlimited collectors per survey
- Payments
- Recurring surveys
- Kiosk mode



# Survey Monkey Cost (cont.)

- **Premier** – \$99/month (billed annually – \$1,188/year)
- All Advantage plan features
- Prioritized support
- Advanced survey builder

# Survey Monkey Cost (cont.)

- There are great opportunities for everyone who use this product no matter you or your organizations financial capabilities



# Other online resources

- **YouTube**

American online video sharing platform . YouTube allows users to upload, view, rate, share, add to playlists, report, comment on videos, and subscribe to other users.





# YouTube

- It offers a wide variety of user generated and corporate media videos.

Available content includes video clip, TV show clips, music video, shorts and documentary films, audio recordings, movie trailer, live stream, and other content such as video blogging, short original videos, and educational videos.

# YouTube

- Most content on YouTube is uploaded by individuals but some corporations have their own channels.



# Example of Lead Instructor video

- <https://youtu.be/M9ycci4WLSg>
- <https://youtu.be/nbCnUTHCMwg>
- <https://youtu.be/4u69rGzWmcQ>
- [https://www.youtube.com/results?search\\_query=fire+department+chronicles+](https://www.youtube.com/results?search_query=fire+department+chronicles+)

# EMS Leadership Academy

- <https://youtu.be/AXx2YeUz6us>

## **A 7 Day Online Experience**

Given the nature of the work we do, doing more with less is adding enormous stress on everyone in our organizations, especially the leaders. We do not need the added stress of interpersonal difficulties and conflict. Focusing on communication will enable our organization to transform its culture at all levels.

# Bound Tree University

- <https://www.boundtree.com/university/free-online-ceus>
- A free educational resource.
- Several online courses are FREE and accredited by the EMS1 Academy
- Read articles written by professionals who are passionate about EMS
- Watch training videos to become better equipped to provide quality care

# EMS - 1

- <https://www.ems1.com/ems-products/online-training/>
- The EMS1 EMS Online Training product category is a collection of products and information for researching EMS Online Training. It covers a variety of products and services, including training programs/courses available online.

# Smart Phone Apps

- <https://apps.apple.com/us/app/3d-human-anatomy-disease/id771825569> For I Phone
- [https://play.google.com/store/apps/details?id=com.rendernet.humanmale&hl=en\\_US](https://play.google.com/store/apps/details?id=com.rendernet.humanmale&hl=en_US) For Android
- Right on our Smart Phone we can find many apps in the app store to enhance the teaching spectrum and grow our data base.

# Smart Phone Apps





# Wrap Up

Our new world has given educators new challenges in imparting educational opportunities to our learning groups. Some Educators have already been working well with technology, while COVID-19 forced many to jump into the modern world of E-Learning with both feet and tread water at the same time learning to succeed. While this can cause a hardship in the present it will be very beneficial, in the long run, by laying an expanded ground work for future E-Learning experiences. Our learning groups will benefit greatly with this new forced evolution of the educational world.