ACHIEVING THE DREAM STAFF

Caitlin Donnelly
Strategic Partnerships & Development Officer
AGENDA

• About the Webinar Series
• Our Presenters
  • Rich Caccavale, Senior Director of Product Marketing, Echo360
  • Paul O’Brien, Associate Vice President of Institutional Technology, Indian River State College
  • Kendall St. Hilaire, Director, Virtual Campus, Indian River State College
• Presentation: “Improving Student Success Through Active Learning at Indian River State College”
• Q&A and Discussion
TECHNOLOGY SOLUTIONS WEBINAR SERIES

• ATD Institutions increasingly turn to technology to improve student success outcomes

• Intended to provide information about promising technology solutions

• An opportunity to stay informed in a rapidly changing education technology environment
OUR PRESENTERS

Rich Caccavale
Senior Director of Product Marketing
Echo360

Paul O’Brien
Associate Vice President of Institutional Technology
Indian River State College

Kendall St. Hilaire
Director, Virtual Campus
Indian River State College
IMPROVING STUDENT SUCCESS THROUGH ACTIVE LEARNING AT INDIAN RIVER STATE COLLEGE
ECHO360 – THE ACTIVE LEARNING LEADER

- 749 schools
- 3MM students
- 11,000 classrooms
- 47MM views/term

Readers’ Choice Awards 2015
Platinum Winner
ECH0360 PROVIDES REAL-TIME LEARNING DATA

- Without changing the way you teach
- Without crunching numbers
- With the devices your students are already using
TEACH AS YOU ALWAYS DO

Instructors continue to teach as usual

Students use personal device

Better Engagement + Better Insight = Improved Outcomes

Engage directly with instructor, peers, content

Students are more engaged in the learning process

Student outcomes improve
KEY ACTIVE LEARNING CAPABILITIES IN A SINGLE INTEGRATED PLATFORM

- Lecture Capture
- Student Engagement
- Content Library
- Learner Analytics
Friction always works in direction opposite to wind.
High height = higher pressure, which will result in a warmer front.

- This was a great activity.
- The Height Analysis clearly shows that a GFS model is inaccurate. This is something that the professor covers clearly in class. Should review this for the test.
- I would add that this is a critical point in the debate about hurricane formation.
- Pressure gradient force = difference in pressure.

Notes:

- Confusion Indicator
- Time Synched Notes

Slide Toggle

Confusion Indicator

Notes
- Confusion
- Bookmarks
- Questions
- Notes
Where would you expect the strongest wind speeds?

Strongest winds are usually found at the eastern section of a low pressure front

Integrated Graphical Polling

Text-based justification
Monitors Key Student Engagement Metrics

Identifies At Risk Students

Identifies Confusing Content
Engagement score is configurable by Instructor
Rankings of At-Risk Students Based on Class Engagement

<table>
<thead>
<tr>
<th>Name</th>
<th>Engagement</th>
<th>Attendance</th>
<th>Capture views</th>
<th>Presentation views</th>
<th>Questions</th>
<th>Activity participation/ correct</th>
<th>Notes word count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lisa Lund</td>
<td>16%</td>
<td>25%</td>
<td>3</td>
<td>10</td>
<td>0</td>
<td>0% / 0%</td>
<td>27</td>
</tr>
<tr>
<td>Dorothy Gale</td>
<td>24%</td>
<td>75%</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>22% / 8%</td>
<td>24</td>
</tr>
<tr>
<td>Denise Quinn</td>
<td>28%</td>
<td>50%</td>
<td>2</td>
<td>4</td>
<td>2</td>
<td>19% / 8%</td>
<td>76</td>
</tr>
<tr>
<td>Donald Drisdele</td>
<td>29%</td>
<td>75%</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>19% / 25%</td>
<td>49</td>
</tr>
<tr>
<td>Ian Nickson</td>
<td>31%</td>
<td>0%</td>
<td>24</td>
<td>46</td>
<td>4</td>
<td>7% / 0%</td>
<td>51</td>
</tr>
<tr>
<td>Robert Jordan</td>
<td>35%</td>
<td>75%</td>
<td>1</td>
<td>0</td>
<td>6</td>
<td>33% / 0%</td>
<td>116</td>
</tr>
<tr>
<td>David Jann</td>
<td>37%</td>
<td>50%</td>
<td>4</td>
<td>0</td>
<td>3</td>
<td>33% / 17%</td>
<td>236</td>
</tr>
<tr>
<td>Jackson Terry</td>
<td>39%</td>
<td>75%</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>33% / 25%</td>
<td>209</td>
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</tbody>
</table>
INDIAN RIVER STATE COLLEGE

- Established in 1960 as Indian River Junior College
- Became Indian River State College in 2008
- Serves 4 counties
- Total Headcount of 30,000
- ATD school since 2012
INITIATIVES TO IMPROVE STUDENT SUCCESS

• Adoption of Quality Matters Instructional Design Rubric
• Launch of the Virtual Campus
  o 10 degrees offered wholly online
• Adoption Of Echo360
  o Focus on student engagement
• Migration to Blackboard Learn with Analytics for Learn
  o Use of analytics to provide real time feedback to all stakeholders
HOW DO ANALYTICS INFORM US?

• Blackboard Analytics provide the overview of what is happening at the course level
HOW DO ANALYTICS INFORM US?

Echo360 analytics provide student-level data that allows us to provide prescriptive interventions

Linking the hot spot data to tutoring sessions
HOW DO WE FOSTER ENGAGEMENT IN ONLINE LEARNING ENVIRONMENTS?

- Collaboration among students and faculty creates an active learning environment
- Online students collaborate with one another synchronously and asynchronously throughout the semester via Echo360
- Echo360 used to create mixed mode learning environment

The Community of Inquiry

Educational Experience
- Engagement with Content
- Engagement with Goals / Direction
- Teaching Presence

Cognitive Presence
- Supporting Discourse
- Engagement with Participants

Social Presence
- Setting Climate
- Regulating Learning

https://coli.athabascau.ca
USING ECHO360 IN GENERAL BIOLOGY ONE

How Echo360 was used:
PowerPoint slides uploaded

Interactive Questions:
- Multiple choice
- Diagrams/Images
- Fill in an answer (numerical)

Student Involvement:
1. Activities: Answer Interactive Questions
2. Presentations: Post questions, flag slides they find confusing
3. Notes and Questions: Take notes, post questions besides the individual slide we are covering in class
**BIOLOGY ONE**

Multiple Choice

In a cross between a homozygous purple flowered plant and a homozygous white flowered plant, all of the F1 hybrid offspring have purple flowers. What is the term for the white trait?

- A Dominant
- B Recessive
- C Allele
- D Genotype

Fill in an Answer

R = round seed r = wrinkled seed. A homozygous round seeded plant is crossed with a homozygous wrinkled seeded plant. What percentage of the offspring will be homozygous?

Enter your response

Diagrams

What is the genotype of the purple flower?

Click/point to correct answer:

- a) PP
- b) Pp
- c) pp

P generation

Cross-fertilize

True-breeding Purple Parent

True-breeding White Parent
GENERAL BIOLOGY ONE

Spring 2015
3 Chapters (about 2 weeks)
40 enrolled students
26 signed up for Echo (65%)

Of the 26 that signed up:
88% viewed at least one of the presentations
46% participated in activities
40% used notes feature
GENERAL BIOLOGY ONE

Faculty Observations

• Echo360 is flexible in how it is used
• Recording lectures is not required for all features, can use in any class with Internet
• Students participated in activities
• Decent amount of notes and ppt views
• Some students posted questions and flagged slides

Challenges

• Access to laptops, tablets, other devices to bring to class
• How to incentivize student participation
• Optimizing managing multiple sections of a course
### ECHO360 STUDENT SURVEY RESULTS

**3. Does having the recordings available to you assist you with the course?**

<table>
<thead>
<tr>
<th>#</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Honestly the lecture captures are the best thing that's ever happened to teaching.</td>
</tr>
<tr>
<td>2</td>
<td>Helps me catch up if I miss class.</td>
</tr>
<tr>
<td>3</td>
<td>Really helpful when studying or confused on homework.</td>
</tr>
<tr>
<td>4</td>
<td>The recordings allow me to go back and listen to the phrasing and explanations my professor used in class if I missed something or do not understand something.</td>
</tr>
<tr>
<td>5</td>
<td>cause when you forget to note something important or you forget what did the teacher say exactly, the recording can help a lot.</td>
</tr>
<tr>
<td>6</td>
<td>They are very informative, even taking notes in class sometimes just missing one point going back and having the recordings is very nice.</td>
</tr>
<tr>
<td>7</td>
<td>It allows me to re-watch class presentation if I missed something the first time.</td>
</tr>
<tr>
<td>8</td>
<td>It is great for review or going back and getting notes from slides that I missed (sometimes the prof goes a bit fast but I don't want to hold up class and ask him to go back).</td>
</tr>
<tr>
<td>9</td>
<td>When there is something that was said in lecture that I did not get in my notes, it's nice to go back and listen to get it in my notes instead of emailing the professor and asking.</td>
</tr>
<tr>
<td>10</td>
<td>I'm more comfortable studying when I know that I can go back and listen to the professor directly.</td>
</tr>
<tr>
<td>11</td>
<td>They make me feel better. I have not missed a class yet but it's nice to know the lectures are there.</td>
</tr>
</tbody>
</table>
## ECHO360 FACULTY SURVEY RESULTS

<table>
<thead>
<tr>
<th>#</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>I adjusted the way I teach to counterbalance the temptation to not come to class with the recordings. Most students report that they have found the recordings really useful for review/studying, going over something difficult more slowly...etc. So they are using them not to replace class but to boost their learning. I'm happy to keep providing them where available.</td>
</tr>
<tr>
<td>2</td>
<td>It is better than just providing students the PowerPoint slides since it has audio too.</td>
</tr>
<tr>
<td>3</td>
<td>Students are intensely interested in it, frequently email me asking when the links will be available. One student said she hadn't been coming to class due to other pressures, she had been listening to the recordings.</td>
</tr>
<tr>
<td>4</td>
<td>Seems useful. NOTE: I did not answer#6 (did I see a change in attendance) because I also made numerous other changes this semester, including introducing clickers. The net result is not attributable to any one change.</td>
</tr>
<tr>
<td>5</td>
<td>Students love it.</td>
</tr>
<tr>
<td>6</td>
<td>I think it provides a huge benefit to the students and it also saves me considerable time — when students miss class and ask to meet with me to go over everything they missed, I can say &quot;first, watch the recording, then if you still have questions...&quot; that's a /huge/ help.</td>
</tr>
</tbody>
</table>
LOOKING AHEAD...

• Spring 2016: Using Echo360 for required synchronous sessions in online math, reading, and English courses

• Merging analytics from Blackboard into Echo360 - data follows the student
Q & A AND DISCUSSION

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CONTACT INFORMATION

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APPLY TO THE
ATD – ECHO360 SPRING 2015 COHORT

Visit our website to:
• Review the Call for Applications
• Apply to the Study Cohort
• View a recording of the Introduction to the Study Cohort webinar
• Download the Introduction to the Study Cohort PowerPoint presentation

http://achievingthedream.org/resource/14983/the-achieving-the-dream-echo360-active-learning-platform-study-cohort
NEXT WEBINAR

Wednesday, November 18, 2015
12:30pm – 1:15pm EST

When Legislation Changes the Game: The New Playbook for Responding to Remedial Need

Presenters:
- Dr. Jesse Coraggio, Vice President, Institutional Effectiveness and Academic Services, St. Petersburg College
- Joseph Leopold, Director of Learning Resources, St. Petersburg College
Thank You!