Before We Begin...

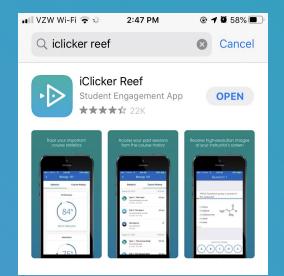
Please log into your iClicker Reef app* and join the course:

1. Open the app, **sign in**, and add a course by clicking the **+** button in the top, right corner.

2. Search Institution: Macmillan Learning

3. Search Course: NISOD Webinar: Questions that Create Connections

4. Click on Add This Course and then Join.



*No smartphone? Go to <u>https://app.reef-education.com/#/login</u>



▷ iClicker

Questions that Create Connections:

Fostering Deep Learning in Person and Online with Polling & Quizzing

Mandy Shaffer

Director of Institutional Initiatives 321.576.2083 amanda.shaffer@macmillan.com



Agenda

- Getting to know you
- iClicker story
- Solving classroom problems due to COVID-19
- Fun with iClicker polling
 - Active learning
 - Flipping your classroom
- Additional features, pricing, etc.
- Next steps/Free trial





Description: Whether online, in-person, or any imaginable combination of the two, student engagement matters now more than ever. In this webinar, participants learn how to get started quickly using polling and asynchronous quizzes to facilitate active learning, gather timely student feedback, and create connections online or in person.

Learning Outcomes:

Communicate how different question types can facilitate multimodal learning.

Utilize low stakes quizzing to "flip" your class, virtually or face-to-face

Understand how to create "on-the-fly" poll questions that maximize in-the-moment learning opportunities.

Gain free trial access to a polling and quizzing solution.



Ice-Breaker Challenge

"Balance the bars" before time expires!





Connections



▷ iClicker

Getting to Know Your Audience



What is your experience with student response systems?

A. I have no experience

B. I've used them as an instructor

C. I've used them as an audience member

D. I've discussed them with faculty members

E. Other



Institution: Macmillan Learning

Course: NISOD Webinar: Questions that Create Connections

Join Now!

What is your current role?

A. TA/GTA

B. Instructor/Professor

C. Dept Chair/Dean

D. Administrator

E. Other/Staff



Join Now!

Institution: Macmillan Learning

Course: NISOD Webinar: Questions that Create Connections

What is your teaching format this Fall?

- A. In-person
- B. Hybrid (mix of both in person and online)
- C. Online synchronous (live)
- D. Online asynchronous (not live)
- E. Both C & D

Join Now!

Institution: Macmillan Learning

Course:

NISOD Webinar: Questions that Create Connections



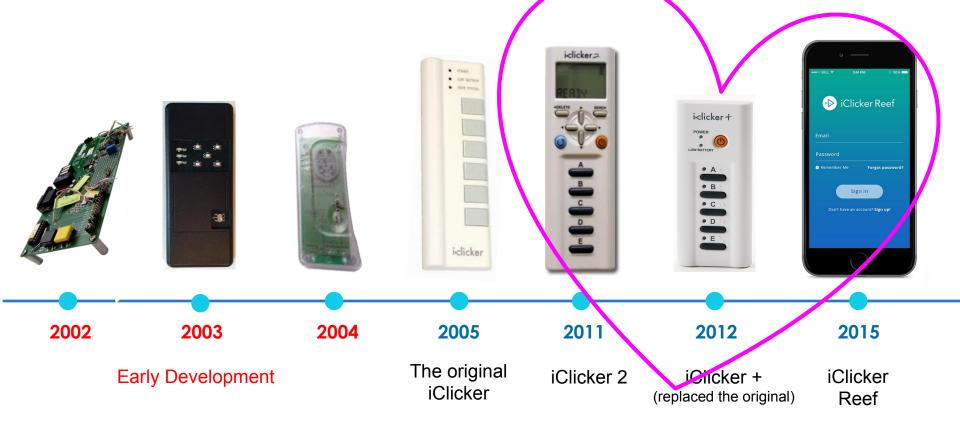
BUILT FOR EDUCATORS, BY EDUCATORS



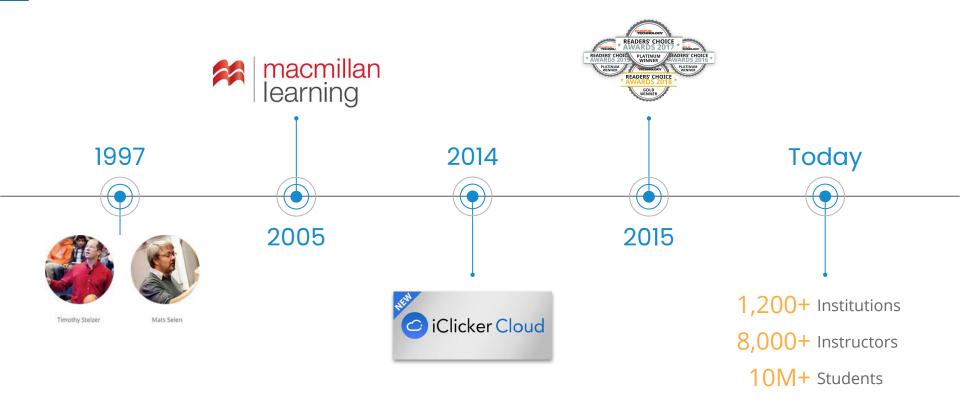




The Evolution of iClicker



iClicker: A Brief History



What classroom problems can we solve?









Get students to class Create connections & give every student a voice Identify Improve student misconceptions focus



What does COVID-19 stand for?

- a. It's a term for Coronavirus Disease 19, because it's the 19th strain of coronavirus discovered.
- b. It's a term that stands for Coronavirus Disease 2019, the year it was first identified.
- c. It's part of the coordinates in Wuhan where the Coronavirus was discovered.

d. I'm not sure.

Now!

Institution: Macmillan Learning

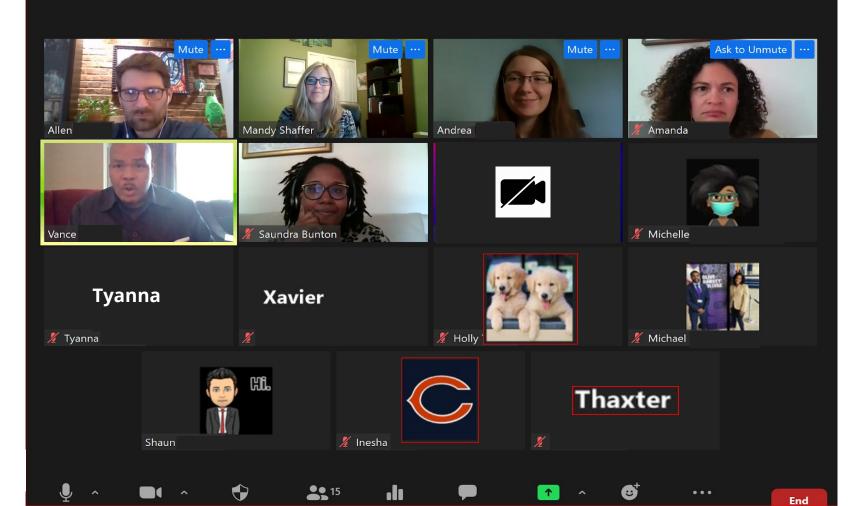
Course: NISOD Webinar: Questions that Create Connections



<u>coronavirus disease of 2019</u>

<u>CO VI D 19</u>









What classroom problems can we solve?









Get students to class Create connections & give every student a voice Identify Improve student misconceptions focus



What classroom problems can we solve during the COVID era?









Facilitate both live and asynchronous learning Read the room no matter the format (no video, masks, etc.) Make your teaching more interactive and engaging

Track and improve student attendance



Using one word, what is currently your biggest barrier in connecting with your students?

Join Now!

Institution: Macmillan Learning

Course: NISOD Webinar: Questions that Create Connections





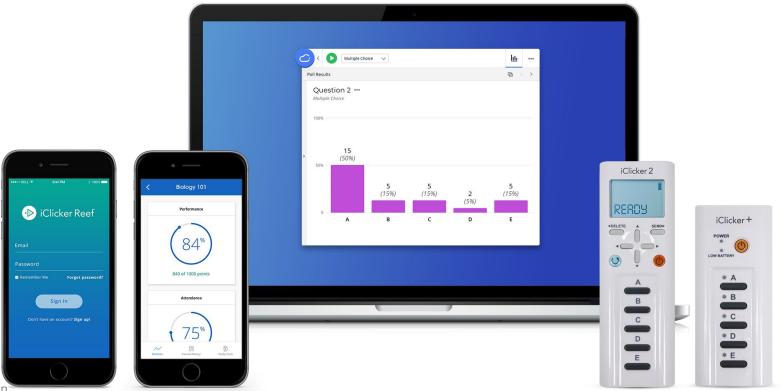


iClicker fits in any format.



Freedom of Choice

A solution for every institution, instructor, and student.



macmillan learning



Short Answer

Allows students the ability for a freeform input.

- Word Cloud
- Essay
- Multiple Choice (A-Z)
- Matching
- Ranking



Multiple Choice

Allows students to make a simple selection to answer a question.

- Multiple Choice A-E

- Yes/No - True/False
- Survey - Ice Breaker
- Ice Breaker



Multiple Answer

Allow students to submit multiple answers to a question through a simple selection.

▷ iClicker

Polling

- Multiple Choice (A-E)
- Survey

- Ice Breaker



Numeric

Students can input numeric values to answer questions

- Numeric Questions - Scientific Notation



Target

Students can tap on an image to answer different types of questions.

- Anatomy
- Graphs and Charts
- Emotion Scale
- Select on a Map



Exit Poll

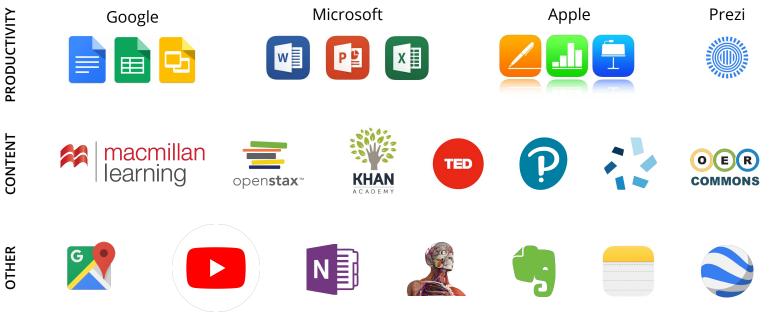
Get feedback from students at the end of class.

End Class

- Level of understanding
- Muddiest Point

Start Class

Works With the Apps You Use

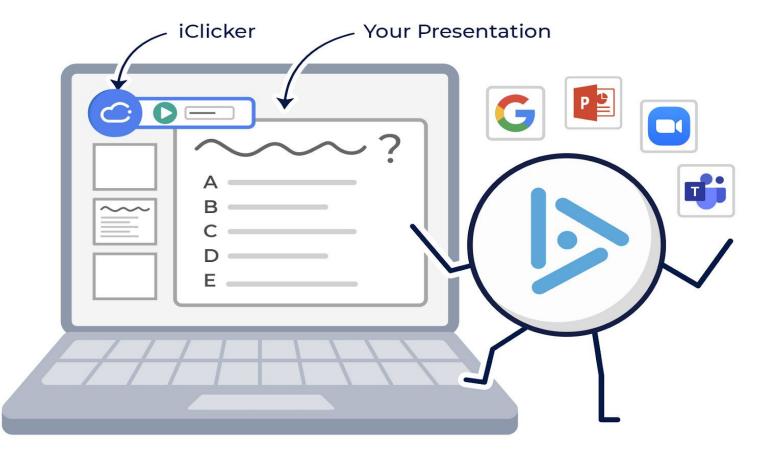


and more, and more, and more...



Works With the Apps You Use

(distance learning example)



Question on the Fly (Short Answer)

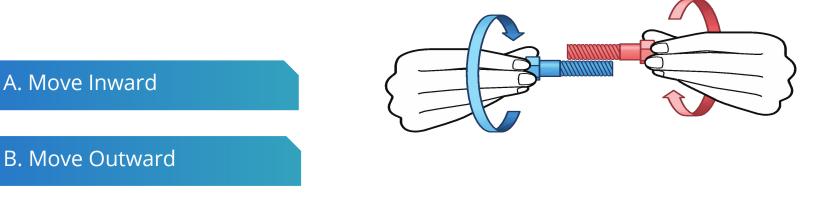
What type of triangle?





Using Peer Instruction

Two identical bolts are placed together so that the grooves intermesh. If you move the bolts around each other holding each bolt firmly so that it does not rotate, will the heads:



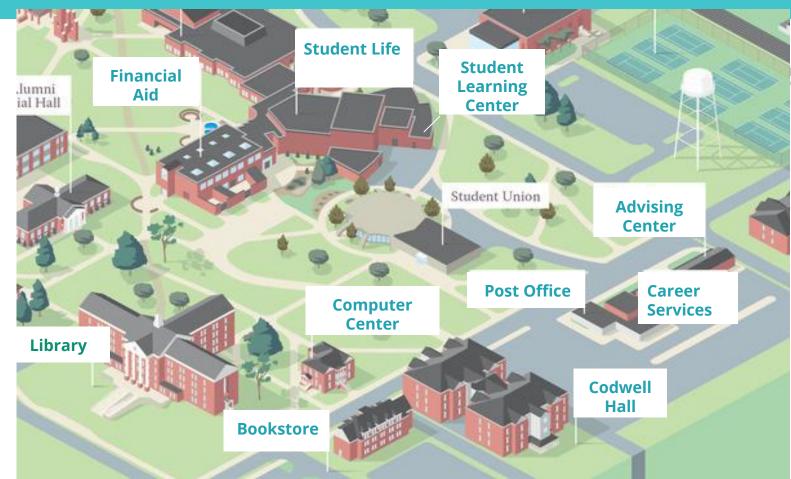
C. Remain the same distance



▷ iClicker



Campus Scavenger Hunt Simulation





(Target)

Where did the Renaissance begin?

See Google Maps





Anonymous Polling

Do you personally know anyone who has tested positive for COVID-19?

A. Yes

B. No

C. Nobody personally, but have heard of acquaintances who have.

Join Now!

Institution: Macmillan Learning

Course: NISOD Webinar: Questions that Create Connections



▷ iClicker

More Than Just Polling...



Attendance

Reliably track attendance using GPS technology.

Oh Yes!

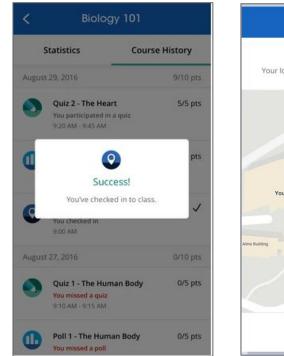
Auto-run functionality

(e.g.: every M/W/F @ noon)

Optional GPS technology (for in-person classes)

Automatic student reminders (nudge 15 min before class)

Automatic attendance reports (for both admins and instructors)







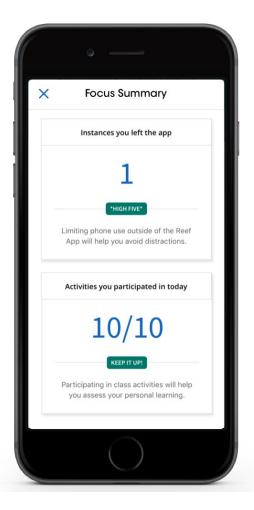
Best for synchronous courses: online or in-person

iClicker Focus (Multi-Tasking)



01:45:12 Class Session Duration

47 / 53 Focused Participants





Quizzing

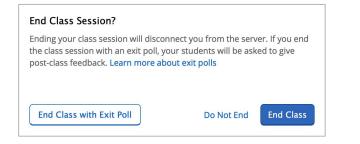
- Use in **synchronous** classes (or work-around for asynchronous)
- Set up on-the-fly
- Intended for **low-stakes assessment**
- **Self-paced** (versus polling, which is instructor-led)
- Share quiz questions live (on screen) or post them in your LMS
- Ask up to 199 questions at one time

iClicker Cloud	
Quizzing Setup	
Quizzing allows students to respond to a multi-question activity at their own pace.	
Ouiz Name Comp 101 - Quiz #2 Number of Ouestions 5 Points Per Question 1 Question type: Multiple Choice Cancel Start	



Exit Polling

Gain post-lecture insight into student understanding.



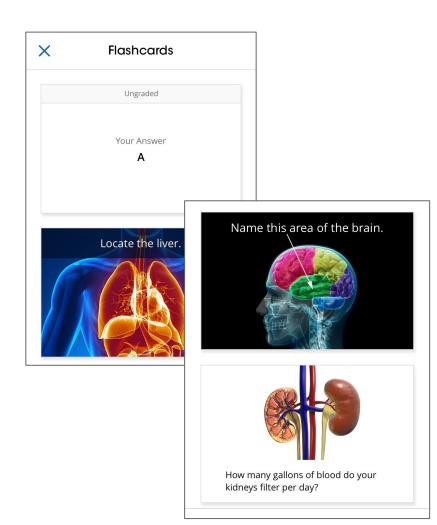
Identify gaps in student understanding to direct your instruction and maximize class time.

lay's class you'd like	explained further?		
	lay's class you'd like	lay's class you'd like explained further?	lay's class you'd like explained further?



Instant Virtual Study Guide

- iClicker Cloud captures every question you ask in class for students to review on their mobile devices, tablets or laptops.
- Students can turn any question into a flashcard.
- Also works with iClicker remotes!

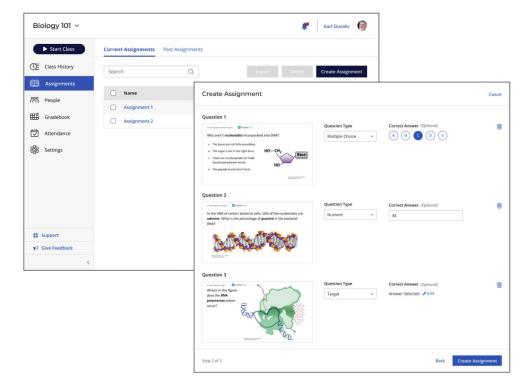




New! Assignments

A new level of flexibility to support online courses.

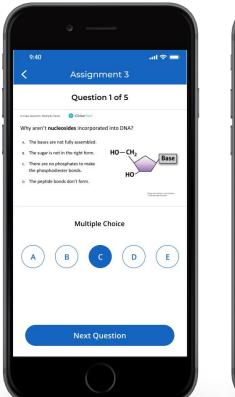
- Engage students with pre-authored questions that they work through at their own pace.
- Gather feedback, promote participation, and provide lightweight student assessment.
- Use in synchronous (face-to-face or online) or asynchronous courses

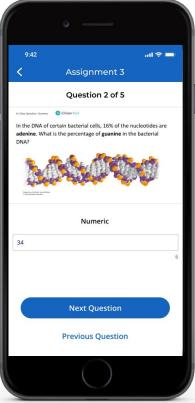


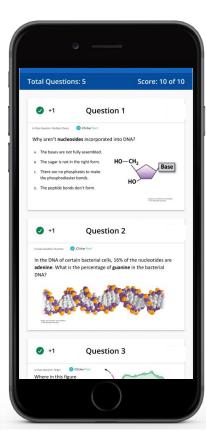


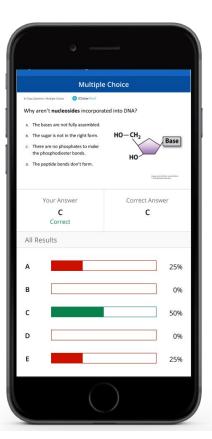
New! Assignments

Student Experience









Using Assignments to Flip Your Class



- **Pre-class:** Students Watch the Lecture and Use Assignments to:
 - Gauge understanding of readings/homework
 - Give students an opportunity to pose questions for in-class time
 - Tune materials based on student input to make it more relevant



- **During class:** iClicker Polling/Quizzing and/or
 - Polls/quizzes using iClicker
 - "At your own pace" activities
 - Team breakouts or lab work



- → **Post-class:** Using Assignments for:
 - Lightweight assessment
 Confidence
 - Confidence/preparedness rating





Assignments

iClicker Cloud Instructor Gradebook

Shaffer Demo Co	urse 🗸					
► Start Class	Overview Details			_		
Class History	Search	Q	View Pts		Letter Mandy Sha.	- 0
E Assignments Beta						
People	▲ Student Name	Total	Performance	Participation		
🔂 Gradebook	Class Average	5.26 / 447.50	4.37 / 369.50	0.89 / 78.00	Sync Grades	Export
🛱 Attendance	Baruth, Brendan	2.50	2.50	0.00		
 Settings 	Baskin, Darin LaMar	1.00	1.00	0.00	Session 231 - 07/10 Poll 7/10/2020	Session : Poll
	Bleyer, Craig	0.00	0.00	0.00 3.5	0 2.50 / 2.50	
	Boersch, Lou Ann	6.00	5.00	1.00 nse	No Response	
	Bolton, Christina	2.00	1.00	1.00 nse	No Response	
	Briley, Courtney	2.00	1.00	1.00 nse	No Response	
	Carlson, Brandon	10.00	5.00	5.00	No Response	
	Cerda, Bianca	3.50	3.50	0.00	No Response	
	Cieslak, Marta	4.00	4.00	0.00 nse	No Response	
	No Response	No Response	No Response	No Response	No Response	
	No Response	No Response	No Response	No Response	No Response	
l macmillan l learning	No Response	No Response	No Response	No Response	No Response	

- Automatic grading on:
 - Correctness
 - Participation
- Attendance records & notes
- LMS Integration

LMS Integrations Simple. Seamless. Standardized.

Student single sign-on

Visual indicator shows instructors which students have not registered in the LMS

Students are auto-reminded to complete LMS registration

One-click gradebook syncing

Blackboard











Integrates using LTI 1.1 standards

Macmillan Learning is an IMS Global Certified Partner



Student Purchase Pricing

	6 month subscription	1 year subscription	2 year subscription	4 year subscription
iClicker Reef Attendance	Free	Free	Free	Free
iClicker Reef Polling & Quizzing	Access Card or Code: \$13.00 * iTunes/Google Play: \$15.99	Access Card or Code: \$20.00 * iTunes/Google Play: \$24.99	Access Card or Code: \$28.00 * iTunes/Google Play: \$34.99	Access Card or Code: \$40.00 * iTunes/Google Play: \$49.99
iClicker Reef + Macmillan product	\$5.00	\$10.00	Contact us	Contact us
Dept or Institution Site License	Custom pricing	Custom pricing	Custom pricing	Custom pricing

*Prices are USD net to bookstore except where specified.



Additional pricing available at *iclicker.com/pricing.*

Want to use iClicker in Your Class?

- **Instructor accounts are always free** (use the student credentials you created for today).
- **<u>Student accounts</u> get a 2 week free trial** (including the one you created for today).
- Look for **NISOD follow-up email** with more information.
- Find your iClicker rep: <u>https://learn.iclicker.com/ContactUs.html</u>
- Training: <u>http://learn.iclicker.com/schedule-training.html</u>

More Questions? Amanda.Shaffer@macmillan.com



Remaining Questions?

Using iClicker Reef, enter up to 140 characters.





▷ iClicker

Additional Services & Pricing



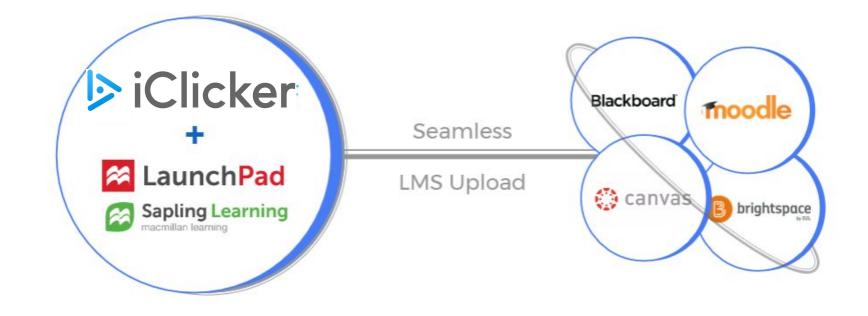








iClicker + LaunchPad or Sapling Sync to Campus Learning Management System (LMS)



Quizzing

Which is the MOST compelling reason choose iClicker Reef?

- A. Ease of setup and use
- B. Content flexibility
- C. Physical + digital solution
- **D.** Affordability
- E. Instant study guide

2

iClicker's hardware + digital solution is ideal for...

A. Instructors who don't allow devices in class

- B. Classrooms with spotty wi-fi
- **C.** Students who find smart devices distracting

D. Students with low phone batteries

E. All of the above

3

iClicker Reef works out of the box with which content solution?

A. OpenStax

B. WikiBooks

C. Macmillan Learning

D. Merlot

E. All of the above



Content Solutions

Unleash your options.

























Accessible & Secure

Equal access. Data in your country.

Independently audited by Tech for All



Educational records stored on secure servers in the U.S.





Local Institutions Using iClicker Reef or iClicker

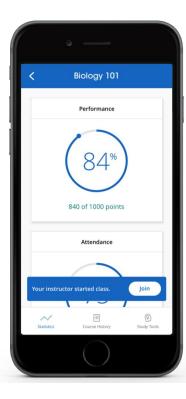
You're in good company.

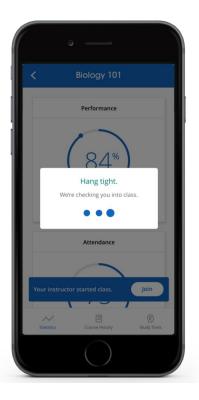


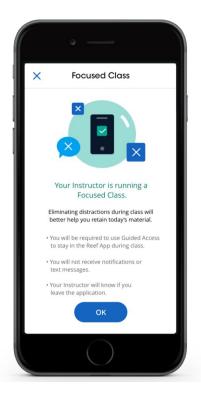
COLUMBIA



Focus (Multi-Tasking)









Rapidly changing air density in the atmosphere Rapidly changing brightness of the stars

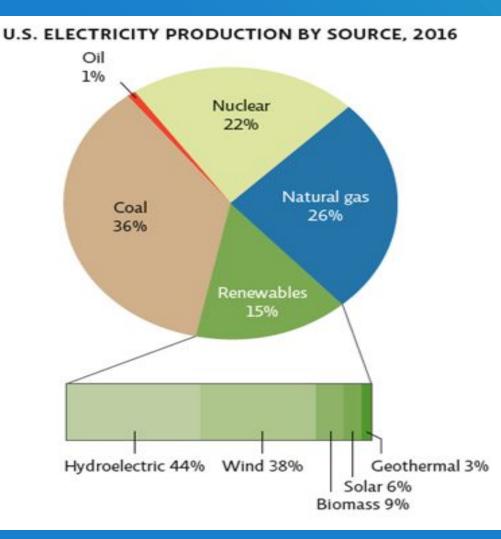
Earth's magnetic field interacting with light

The limitations of the human eye

All of the above

Short Answer Question:

What do you call the first line of a speech?



Target Question:

Select the Energy Source most used in the United States.

NumericWhat year did the Stanford PrisonQuestion:Experiment take place?



ALL ACCESS: iClicker2 and iClicker Reef

All prices are in CAD (Net Price to Bookstore)

Academic Lifetime

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iClicker2 remote iClicker Reef 5-year Access Card

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You save \$29

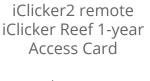


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Academic Lifetime

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BEST VALUE

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You save \$27

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\$39.99
You save \$22

1 Year



iClicker+ remote iClicker Reef 1-year Access Card \$37.99

You save \$17

6 Months



iClicker2 remote iClicker Reef 6-month Access Card

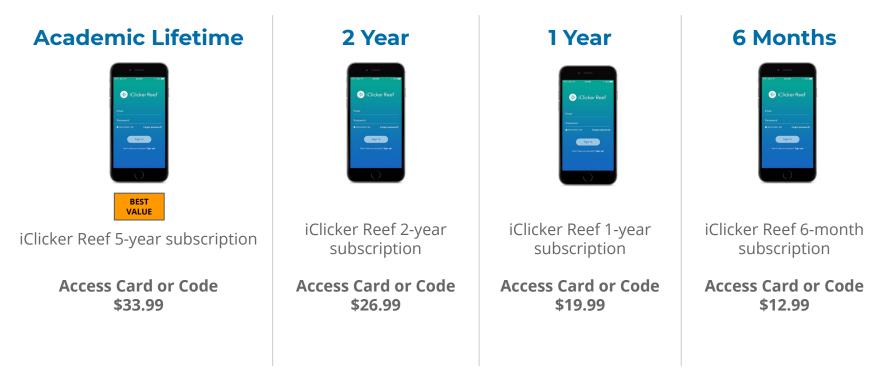
\$35.99

You save \$12



iClicker Reef Only

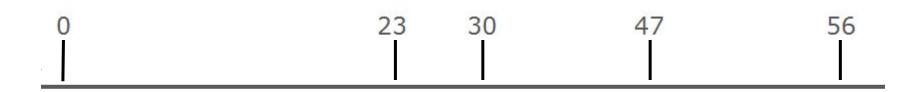
All prices are in CAD (Net Price to Bookstore)





Application Question (Numeric)

What is the "median" of the following set of numbers?





Collaborative Exercise

(Numeric)

Have class members write down the average time (in hours, to the nearest half-hour) they sleep per night. Your instructor will record the data. Then create a simple graph (called a **dot plot**) of the data.

COLLABORATIVE EXERCISE In your classroom, try this exercise. Have class members write down the average time (in hours, to the nearest half-hour) they sleep per night. Your instructor will record the data. Then create a simple graph (called a dot plot) of the data. A dot plot consists of a number line and dots (or points) positioned above the number line. For example, consider the following data: 5; 5.5; 6; 6; 6; 6.5; 6.5; 6.5; 6.5; 7; 7; 8; 8; 9 The dot plot for this data would be as follows: Frequency of Average Time (in Hours) Spent Sleeping per Night 0 0 0 0 0 0 0 0 0 0 0 0 0 0 Figure 1. Does your dot plot look the same as or different from the example? Why? If you did the same example in an English class with the same number of students, do you think the results would be the same? Why or why not?

Where do your data appear to cluster? How might you interpret the clustering?

The questions above ask you to analyze and interpret your data. With this example, you have begun your study of statistics.

Source: openstax | Introductory Statistics



How We're Different







Simple

Flexible

Effective



How We're Different

We're built on the science of active learning.





Learning Design

Data-driven Insights



Product Impact



2019 Study Results show that instructors using iClicker found:

Students are more prepared for classStudents are more engaged in class

✓ Student achieve better course results



Student Benefits

- Encourages students to **attend class**
- Engages students while in class; keeps them focused
- Provides study tools after class
- Proven to **improve course scores**



Yareli D. Oct 10, 2019 at 11:54 AM

★ ★ ★ ★ ★ Excellent for class



Aaron The 3D Man Oct 3, 2019 at 8:54 PM



Great Learning Tool! Great for my College Courses! I use it for quiz questions that are given throughout the lecture to test our understanding on the information given, and I'm happy to say that this app makes it much easier to practice, learn, and study material, as well as advancing the connection of understanding between student and professor! Great job!

Jessica Sanchez Oct 6, 2019 at 12:20 PM

Great app for class interaction



Instructor Benefits

- Saves time tracking attendance
- **Engages ALL students** (even those in the back of the room)
- Provides data for **"real-time" decision making**
- Increases student **course satisfaction**

"If you want to change a one-way lecture into a two-way dialogue, iClicker is the tool for you."

Eric Ribbons, Western Illinois University



Partners in Education

- Co-development: institution, instructors, and students
- Learning research partnerships
- Open system for integrations
- IMS and LMS community partners (LTI & Caliper)
- Event data feeds
- Macmillan thought leadership







iClicker believes that ALL USERS should have equal access to the benefits of technology.

- WCAG 2.0 AA standards verification for students with disabilities in iClicker Reef browser
- Braille button labels and large buttons for visually impaired
- **Vibrating** remotes provide vote confirmation through haptic feedback
- **LED patterns** on iClicker + for color blind and low vision participants
- **VPATs** and more info: <u>iclicker.com/accessibility</u>
- Independently audited by *Tech for All*





Security



- iClicker follows industry best practices in all phases of our product development, from design and development, through to operation.
- FERPA and FIPPA statements are available upon request
- Records stored on secure servers in the US (for US customers) or Canada (for Canada customers)



Work With the Tools You Already Use

