Interactive Teaching with Plickers

Presented by
Laura Candler

Teaching Resources www.lauracandler.com

Laura Candler – Classroom Teacher

- Classroom teacher (30 years)
- National Board Certified
- Master's Degree in Elementary Ed.
- Milken Educator Award

Laura Candler's Teaching Resources

Plickers K-5 Facebook Group

- Providing support for newbies
- Sharing tips, strategies, and resources

Free!

Plickers (K-5)
Closed Group

Joined ▾ ➤ Share ✔ Notifications ···

Thanks to the Plickers Facebook group members who contributed classroom pictures for this presentation!

Plickers Webinar Handouts

Check your confirmation email for a link to the handouts.

Interactive Teaching with Plickers
PD Webinar Pack

- HD Quality Video Recording
- Mp3 Audio Recording
- Editable PD certificate
- Easy access to webinar freebies
- PDF handouts of webinar slides

Plickers Webinar Freebies

Free!

www.lauracandler.com/webinars/

You're in the Right Place

- You've heard others raving about Plickers, and you want to know why they're so excited about it.

- You've tried Plickers but gave up because it was too confusing or too much work.

- You want to teach with technology, but your classroom has a limited number of devices for student use.

You're Also in the Right Place If...

- You and your students already love Plickers, but you'd like to learn some new ways to use it.
- You want to learn how to use Plickers assessment data more effectively.
- You'd like to know about new Plickers features and updates that will be rolled out in the future.
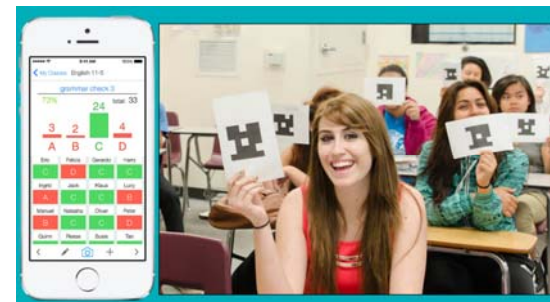
My Goal ...

I want you to be so **excited** and **inspired** that you can't wait to get started with **Plickers!**

Intro to Plickers

Just the Basics
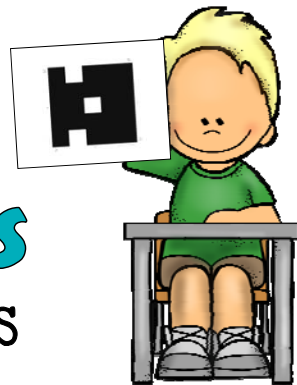
Plickers (Paper Clickers)

Plickers.com → "Plickers is a powerfully simple tool that lets teachers collect real-time formative assessment data without the need for student devices."
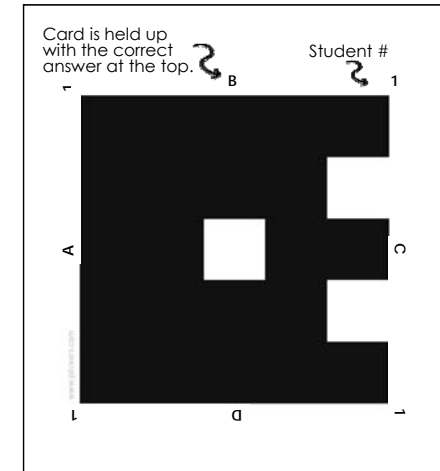
What You Need for Plickers

- 1 Plickers card per student
- 1 Computer (with Projector & Screen)
- 1 mobile device (camera enabled)

How Plickers Reads Responses

Card is held up with the correct answer at the top.

Student #
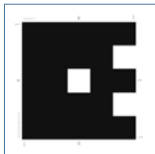
Plickers: A Quick Overview

1. The teacher creates a library of questions and assigns a unique Plickers card to each student.

2. Teacher selects questions using the Plickers app on a mobile device.

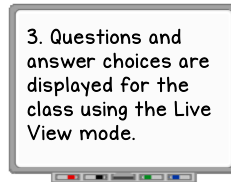3. Questions and answer choices are displayed for the class using the Live View mode.

4. Students respond by holding up and turning their Plickers.

5. The teacher scans the cards using the Plickers app and the device's camera software.

6. Assessment data is instantly available in the teacher's account.

How to Create Plickers Questions

Question and Answer Formats
- Multiple Choice (2, 3, or 4 options)
- True/False (T/F, Agree/Disagree, Yes/No)
- May include an image in the question field

Types of Questions
- Poll/Survey Questions (none of the answers are designated "correct")
- Assessment Questions– (at least one answer is designated as "correct")

Adding Images to Questions

- One image allowed per question
- Images may be used to illustrate concepts related to the question or answer choices
- Consider asking questions that require students to interpret the image
- Examples of image types: digital photos, scanned images, clipart, screen captures, etc.
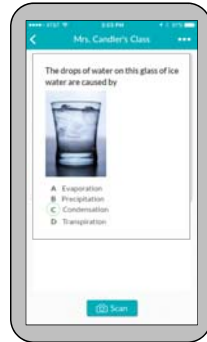
How to Use Task Card Images

- Create images of multiple choice task cards by taking screen captures of them. (You can also purchase them.)
- Upload the task card images instead of entering questions and answers manually.
- After uploading each image as a separate question, mark the correct answer in the Plickers system.
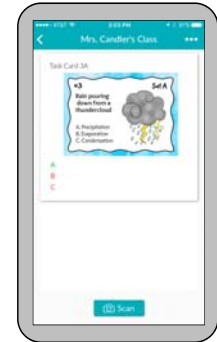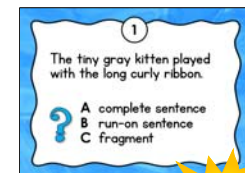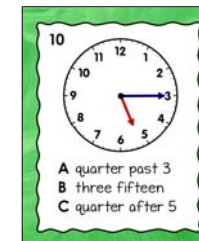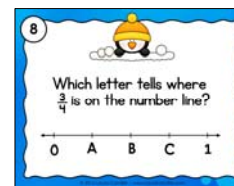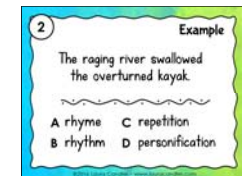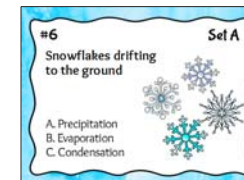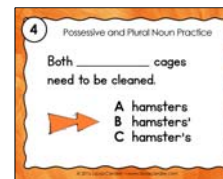
How to Create Task Card Questions

Free Tutorial
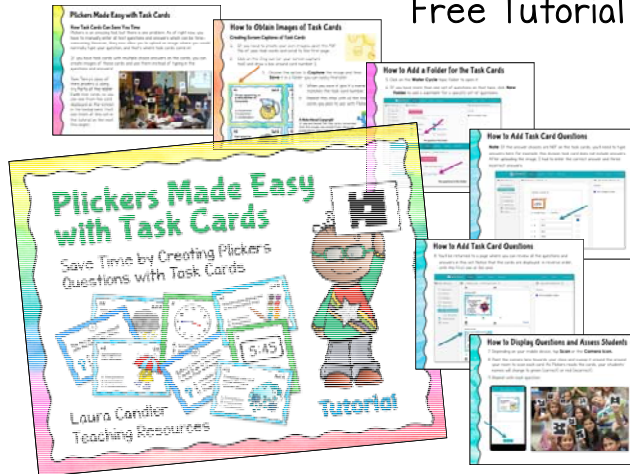
Examples of Task Card Images

Plickers vs. Kahoot!

- 1 class computer
- 1 mobile device (teacher use)
- 1 paper clicker per student
- May include images in questions
- "Scoresheet" reporting feature
- No time limit
- Not competitive
- Currently no sharing of questions

- 1 class computer
- 1 mobile device per student
- May include images in questions
- Timed responses
- Competitive – points earned for correct answers
- Includes social elements
- Questions may be shared

How to Get Started With Plickers
Step By Step

#1-Create Free Plickers Account

Log on to Plickers.com from a computer and create a free account. Then download the Plickers app onto your mobile device.

#2-Obtain Plickers Cards

Options Available:

- Print from the Plickers website (free)
- Download the PDF and send file to printer
- Purchase a set of laminated cards from Amazon
(Stick around to find out how you might win a set!)

#3 - Add a Class for Each Subject

Create one "class" for each subject area, and enter student names. You can type the names individually or copy and paste your whole roster. Assign a unique card number to each student.

Tip: Create a test class with a few imaginary students. Assign an unused card number to each fake student.

#4 - Set Up Your Library

The "Library" is where you enter and store questions. Click on the Library tab; add a main folder for each subject and subfolders for your units or topics of study.
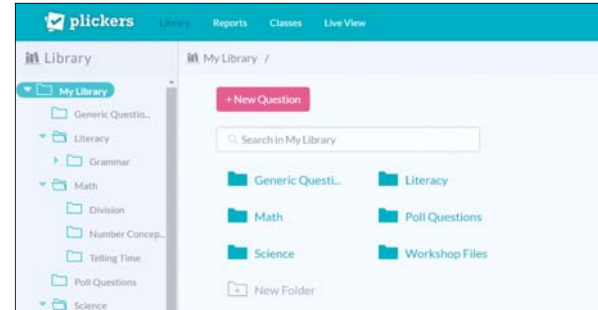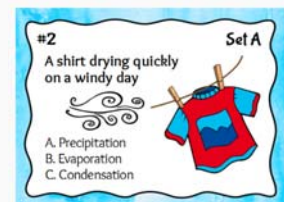
#5 - Add Questions to Library

Click on a folder and add questions, one at a time. You can type the questions and answers manually or upload images with questions and answers (task cards).

#1 - A shirt drying quickly on a windy day is an example of
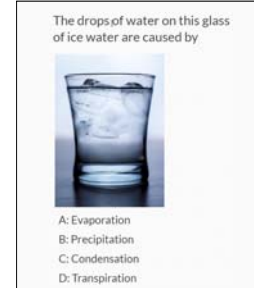
A: Precipitation
B: Evaporation
C: Condensation

Water Cycle Task Card 2A

#2   Set A
A shirt drying quickly on a windy day

A. Precipitation
B. Evaporation
C. Condensation

Level B #3
368/5 or 368 divided by 5

A: 72r3
B: 73r3
C: 73
D: Other

Level B #3

3   Level B
5)368

A: 72r3
B: 73r3
C: 73
D: Other

The process by which plants release water into the air from pores in their leaves is called

A: Transpiration
B: Evaporation
C: Condensation
D: Precipitation

The drops of water on this glass of ice water are caused by

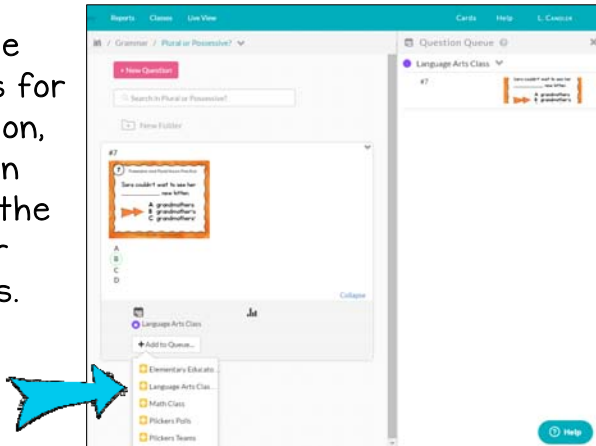A: Evaporation
B: Precipitation
C: Condensation
D: Transpiration

Ideas for Using Images in Questions

#6 - Add Questions to Class Queue

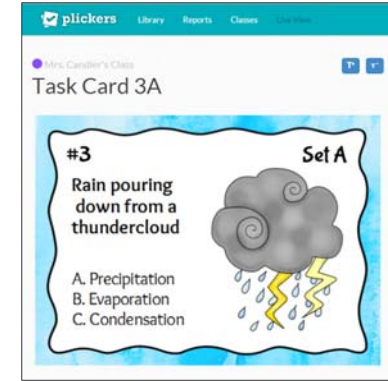Select the questions for your lesson, and assign them to the queue for that class.

#7 - Display a Question for Class

Use Your Mobile Device to Select a Question

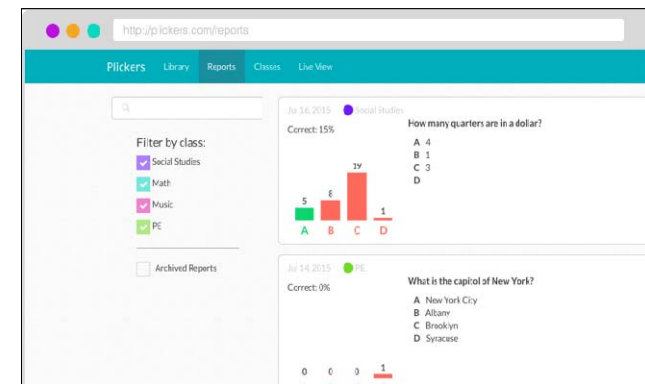Students See This in Live View on the Computer or Screen

#8 - Scan Students' Plickers

Use a sweeping motion to quickly scan all Plickers cards with your mobile device.

#9 - View Assessment Data

Click on Reports in your account to look at the assessment data for each question.

#10 - View Composite Data

Click on Scoresheet to view detailed assessment data for all students and questions. The questions (including images) are shown across the top.

Tip: Assessing "On the Fly"

1. Create a generic Plickers question with four answers – A, B, C, and D.
2. Use a document camera to display task cards or written questions with multiple choice answers.
3. Show the generic multiple choice question in Live View and scan student responses.

Note: Assessment data is not stored in the system for each question.
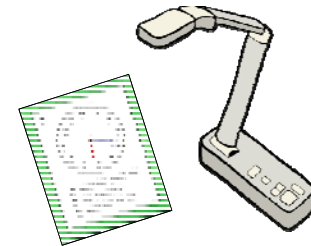
Tip: Test Before Using with Students

Using your computer ...
Assign several questions to your Test Class queue. Then switch to Live View.

Using your mobile device...
Open the Plickers app. Select your Test Class and then choose a question. Notice that the question appears on the computer.

Scan a few Plickers cards from your Test Class.

Interactive Teaching with Plickers

Using Formative Assessment Data
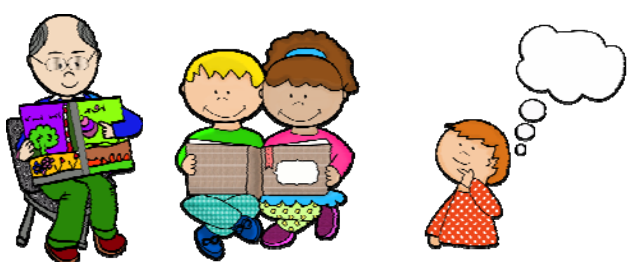
Interactive Teaching → Interactive Learning

Teacher ⇄ Student

Student ⇄ Student

Student ⇄ Objects

Student ⇄ Concepts

I Do - We Do - You Do
Lesson Framework

I Do **Teacher Input**	• Teacher introduces and explains the new strategy • Teacher "thinks aloud" and/or models how to apply the strategy
We Do **Guided Practice**	• **Interactive teaching** • Teacher adjusts instruction based on observations and formative assessment • May involve cooperative learning, small group instruction, technology tools, etc.
You Do **Independent Practice**	• Students practice new skill independently • Usually involves written response (solving math problems, journal writing, completing a graphic organizer, independent reading, etc.)

noun

Interactive Strategies in Action

Sample Lesson - Division with Remainders

1. **I Do** – Teacher Introduces Skill
2. **We Do** – Interactive Teaching
   - Show What You Know (Dry Erase Boards)
   - Show What You Know (Plickers)
   - Team Plickers Showdown
3. **You Do** – Students Work Alone
   - Task Card Practice
   - Division Worksheet
   - Math Text Assignment

3)256

Show What You Know (Dry Erase Boards)

Assign a problem or question. Students solve the problem independently and turn their dry erase boards face down.

Announce "Show What You Know!" Students hold up boards to show answers. Quickly check responses and ask students to lower boards.
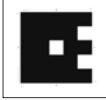
Discuss the solutions to clear up any misconceptions.

Adjust instruction as needed and repeat.

Show What You Know (Plickers)

Assign a problem or question.
Students solve the problem independently.

Announce "Show What You Know!" Students hold up their Plickers cards turned to show their answers.

Scan the cards, check the assessment results, and discuss answers to address misconceptions.

Adjust instruction as needed and repeat.

Photo by Jennifer Bond www.smore.com/1wftz

What are the pros and cons of dry erase boards versus Plickers?

	Dry Erase Boards	Plickers
Pros		
Cons		

Low Tech vs. High Tech

	Dry Erase Boards	Plickers
Pros	• Can see student work • Little advanced prep • Open ended questions • Discourages guessing	• Gather data quickly • Engaging and fun • Assessment data stored and compiled
Cons	• Not as easy to see all answers quickly • No data storage • Must have dry erase boards and markers	• Computer & device • Must enter questions and answers • Multiple choice format encourages guessing

---

The Best of Low & High Tech

Display the Plickers question in Live View and then provide independent work time. Students can…
- Solve math problems on dry erase boards
- Jot down a quick response in a journal
- Work out a solution with physical objects
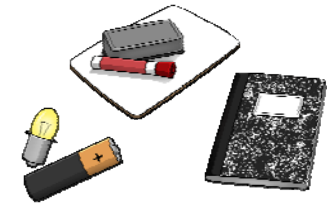
As students work, observe the strategies they're using. When most students have finished, ask them to show their answers with their Plickers. Scan cards to collect assessment data.

## How to Use Formative Assessment Data

- Do a quick skill check before the lesson to find out what students already know.
- Assess during the lesson to guide your instructional decisions. Do you need to reteach the skill? Who needs extra practice and who is ready to move on?
- Use as a digital exit ticket at the end of class to help plan the next day's lesson.

Reflections on Grading

- What is your purpose for wanting to record Plickers scores as grades?
- How will you test students who are absent?
- What if a student knew the correct answer but held the Plickers card incorrectly?
- How will you justify low grades to students and/or their parents?
- Will students be able to learn from incorrect answers and demonstrate mastery later?

Team Plickers Showdown

Cooperative Learning Activity
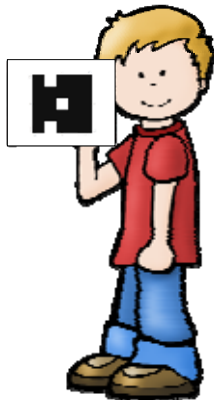
What children can do together today, they can do alone tomorrow.
~ Lev Vygotsky, 1962

*Whoever is doing the talking
is doing the learning. ~ Anonymous*

Team Plickers Showdown

Free!

Cooperative learning strategy for reviewing or practicing content knowledge and skills
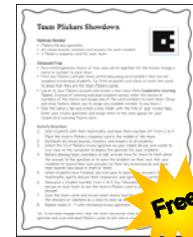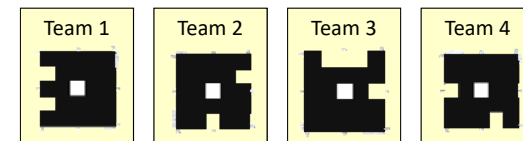
Cooperative Learning Teams

- Use existing teams, or divide your class into teams of 3 to 5 students.
- Assign a number to each team.

Print Team Plickers Cards
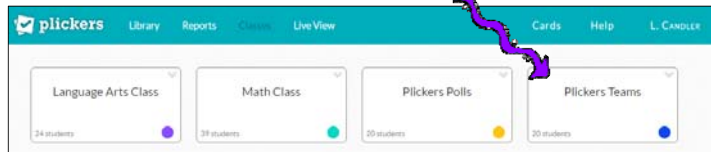
Print one Plickers card for each team.

Tip: Print team Plickers cards on pastel card stock and label them with team numbers or names.

Team 1 Team 2 Team 3 Team 4

Set Up a "Plickers Teams" Class

To keep data from cooperative learning activities separate from other data, create a new class in your Plickers account. (Example: Plickers Teams)

Enter Team Numbers

Enter the team numbers or names in the Student Name field and assign a unique response card to each team.
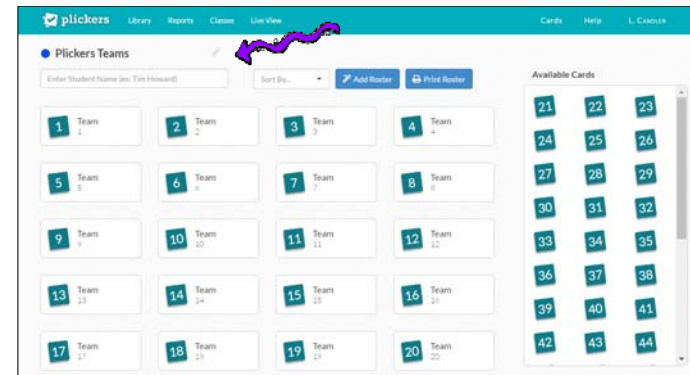
Enter Review Questions

Enter the lesson review or practice questions and assign them to the Plickers Teams Class.
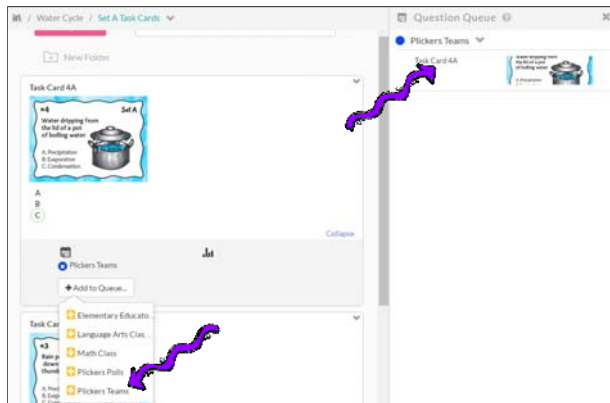
Team Plickers Showdown

1. Seat students with their teammates and have them number off from 1 to 4. Place the team's Plickers response card in the middle of the team.

2. Distribute dry erase boards, markers, and erasers to all students. (Scrap paper and pencil can also be used.)

Team Plickers Showdown

3. Display the first review question for the class (Live View on computer).

Students See This in Live View

Teacher's Device
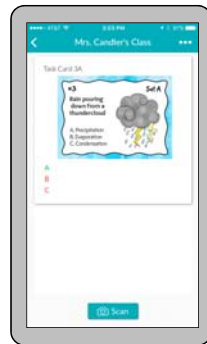
Team Plickers Showdown

4. Without talking, students write the answer on their own dry erase boards and place their boards face down in front of them.

Team Plickers Showdown

5. On a signal from the teacher, students show and discuss their responses with their team. They should try to agree on one answer.

Team Plickers Showdown

6. The teacher announces a student number from 1 to 4 (or 5) and says "Showdown!"

7. The team member having that number holds up the team's Plickers card to show the answer.

Team Plickers Showdown

8. Scan the team cards, reveal the correct answer, and discuss their responses.
9. Adjust instruction as needed. Repeat and call a different number for each round.

Suggestion: Avoid tallying team points and turning the activity into a competition.

How to Use Plickers Poll Questions

Fostering Higher Level Thinking and Discussion
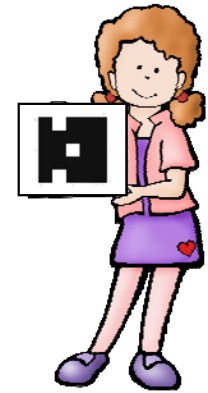
Poll or Survey Questions

Poll questions have no "correct" answer

- Multiple Choice
- Agree/Disagree
- True/False
- Yes/No

Thanks to Plickers Facebook group members for their contributions!

Set up a "Plickers Polls" Class

Add a new class called "Plickers Polls" to keep poll question results separate from academic data.
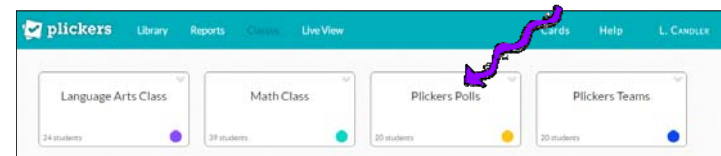
Add a Poll Questions Folder

Add a Polls Questions folder in your library to keep all poll questions together.
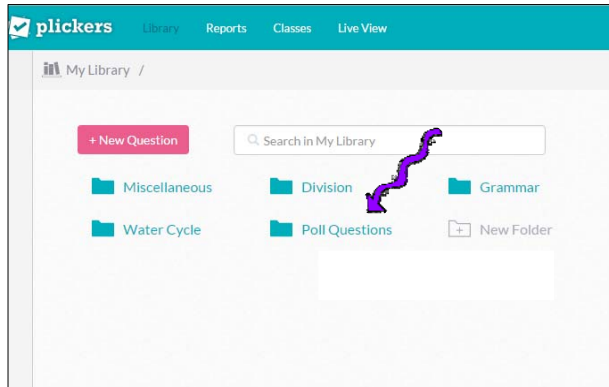
Add Poll Questions to Folder

Enter each poll question and up to 4 answer choices. Do not mark any choices as correct.
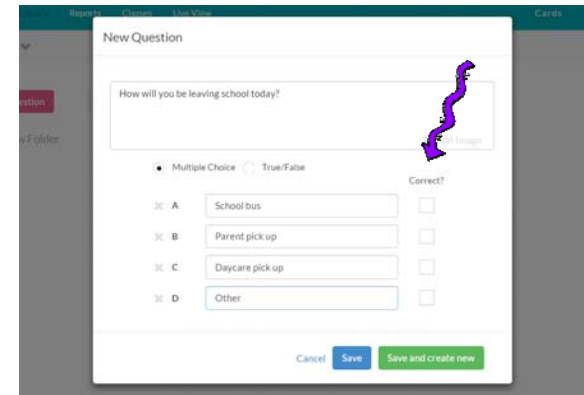
Lunch Count & Attendance

Create a "lunch count" question in your Poll Questions folder. Each day, update the answer fields with the new lunch choices. After the morning bell rings, display the question, scan cards, and record lunch choices AND the names of students who are absent.
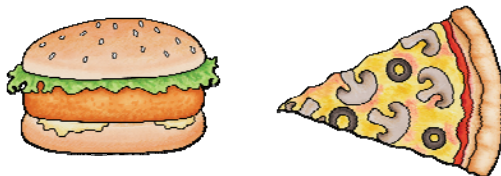
Class Meetings & Secret Voting

Sample Questions (4 choices)
• Where should we go for our field trip?
• Which book should I read aloud next?
• Which movie should we watch during the party?

Opinion & Discussion Questions

Pose question; students respond with Plickers; group students who have the same answer (or different answers) for a short discussion.

Response Types:
A = True B = False
A = Yes   B = No

A = Strongly Agree
B = Agree
C = Disagree
D = Strongly Disagree

Sample Questions
• True or False? Snow is a form of precipitation.
• Agree or Disagree? Jack was clever to trade the cow for the magic beans.

Choosing a Research Topic

Prior to a research or writing assignment, use Plickers to have students take a stand on an issue or choose from a list of topics.

Shelvey 5A 2015

What topic would you like to look into more regarding the video we watched showing the young man at the United Nations meeting?

A Fossil Fuels
B Speaker (15 years old)
C United Nations
D Climate Change

Submitted by Michelle Shelvey

Choosing a Lit Circles Book

Sample Questions (Only 4 possible choices)
• Which book do you most want to read?
• Which book do you least want to read?

Status of the Class   (Writing Workshop)

Where are you today in the writing process?
A – Planning
B – Rough Draft
C – Need a conference
D – Final Draft

Status of the Class (Social/Emotional)

How are you feeling today?
A – Excited
B – Happy
C – Worried
D – Sleepy

Submitted by Jessica Vasquez

Why Teach with Plickers?

- Passive, bored learners become active, engaged learners
- Saves time and paper
- Makes it easy to differentiate instruction
- Formative assessment data can be used to adjust instruction during the lesson
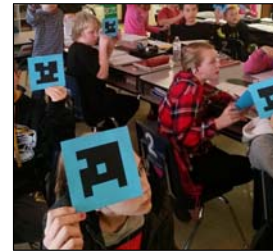
Recap of Plickers Updates

- Will remain free for teachers
- Grouping questions into sets to make it easier to add groups of questions to your queue
- Redesign of website and mobile apps
- "Play button" on questions so you can show them without adding to queue
- Working on a way to share questions with other users

Plickers Webinar Handouts
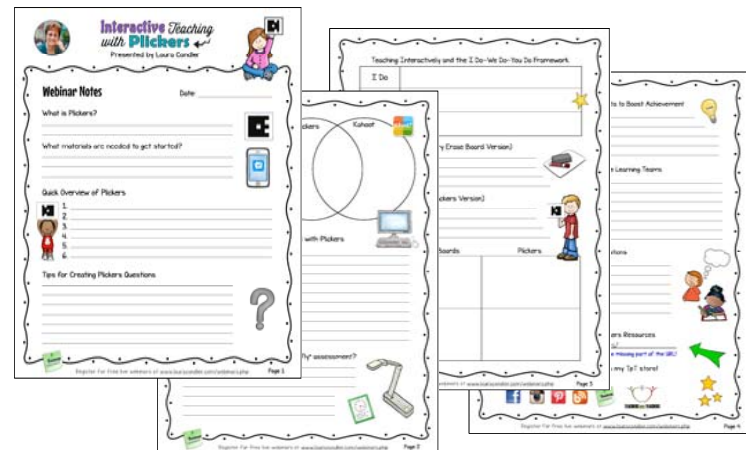
Plickers Made Easy with Task Cards
Free Tutorial and Task Card Images

FREE **Task Cards** for Plickers

Plickers Task Cards Tutorial

Plickers K-5 Facebook Group

- Providing support for newbies
- Sharing tips, strategies, and resources

Free!

Plickers (K-5)
Closed Group   Joined ▾   Share   Notifications   ...

Sign up details are on the Freebies page.

Professional Development Webinars

MI Theory, Mindset, & Motivation
Presented by Laura Candler Teaching Resources

How to Teach Kids to Love Poetry (Even If You Don't)

Powerful Strategies for Building Math Vocabulary

Power Up Learning

How to Launch a Super School Year!
Presented by Laura Candler Teaching Resources
www.lauracandler.com

Professional Development Webinar Replay 4 Resources
Math Problem Solving
MINDSETS MATTER
How to Foster a Math Mindset
Webinar Conductor: Laura Candler www.lauracandler.com

PLICKERS WEBINAR BUNDLE

LAURA CANDLER

~~$31.25~~

$24.95

28% Off During the TpT Sale

$17.96

Use code LOVETpT

How to Leave TpT Feedback

Earn TpT points for product feedback and save money!

Feedback on the Interactive Teaching Made Easy Webinar Bundle

Plickers Webinar Freebies
www.lauracandler.com/webinars/plickers