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April 11th, 2018

Using iClicker Cloud to Gamify Your Class and Engage Your Students



1

Discuss the intent behind iClicker-based games and their use.



2

Describe how I use iClicker in the class.

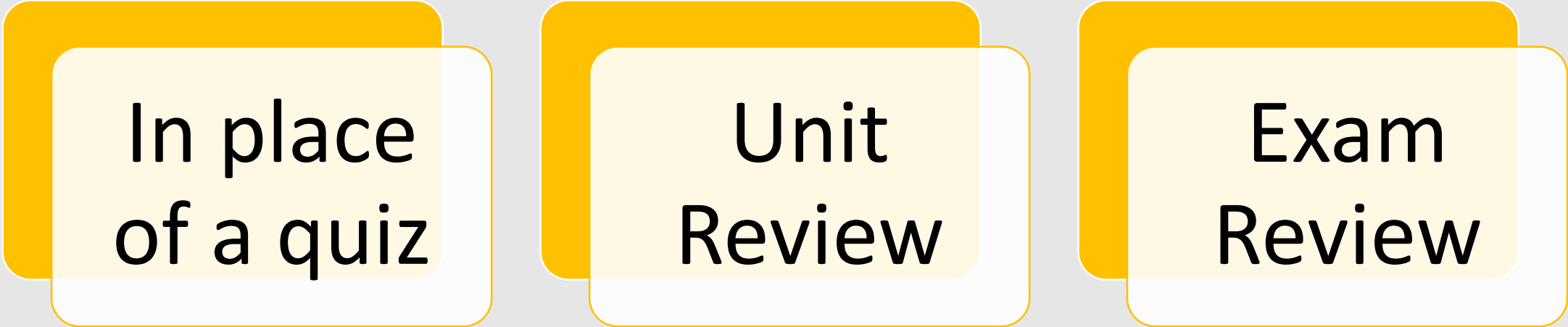


3

Suggestions and best practices for gamifying your class.

Objectives

When to Use a Game?

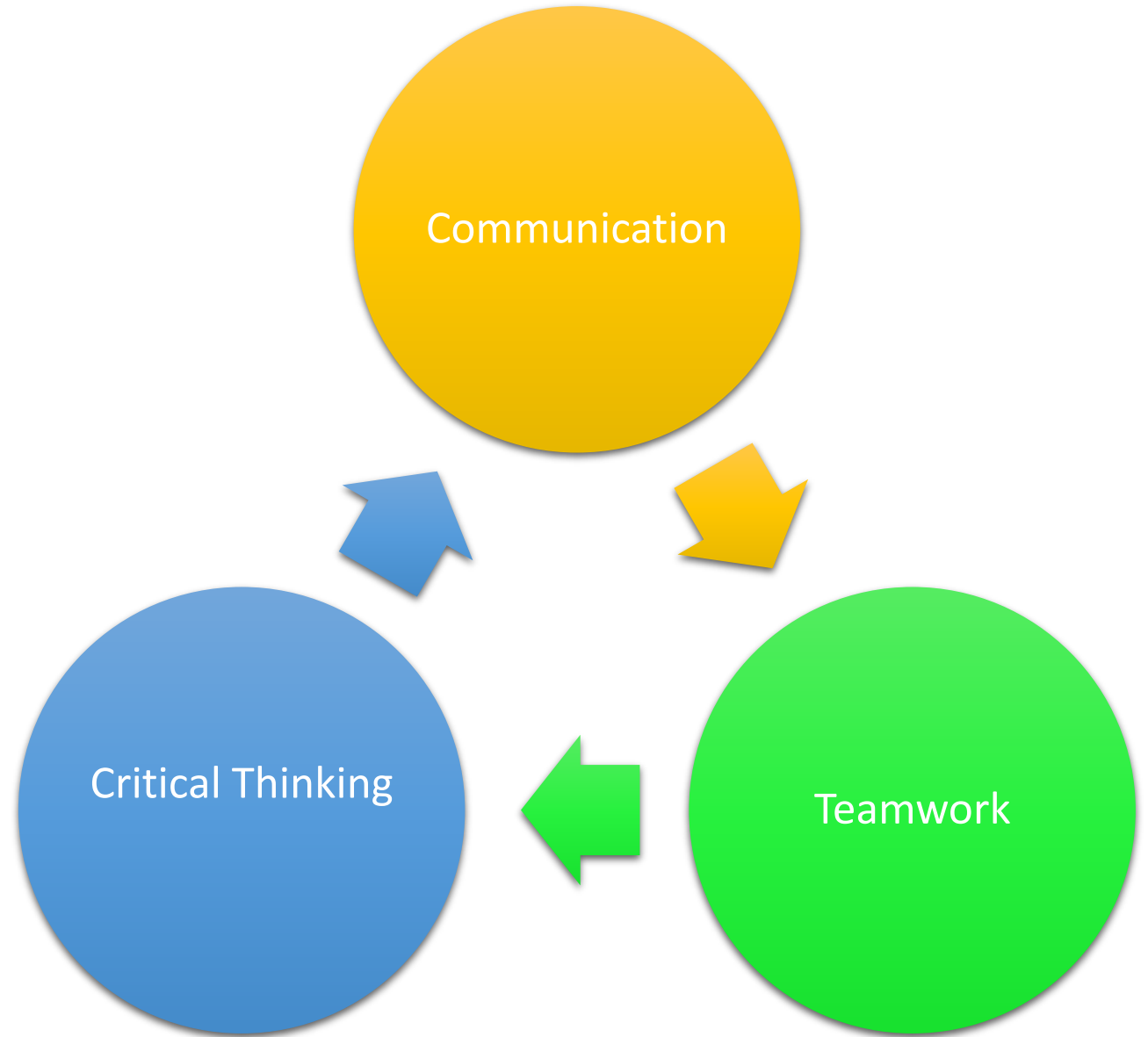


In place
of a quiz

Unit
Review

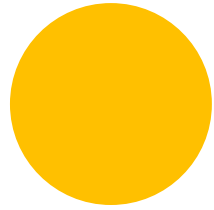
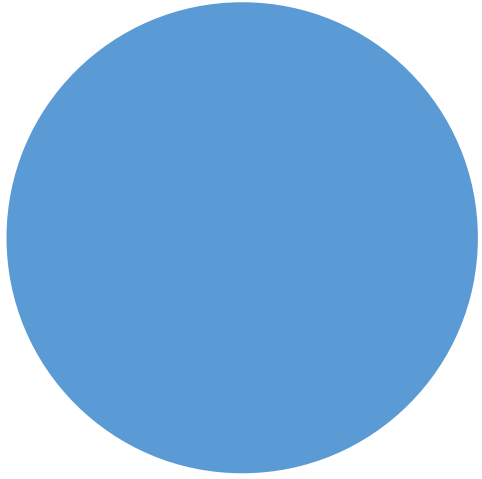
Exam
Review

Why Gamify



Why
Gamify

Something Different!



How I Use iClicker



How I Use iClicker

- Students use the app (REEF) exclusively.
 - This allows for a wider variety of question types, including **short answer** and target.
- Students work in groups.
 - This appears to up the **competitiveness** of the exercise as a whole.

How I Use iClicker - Setup

Points for correct responses is set. For games with 'winners' 0 points for responding.

Count down is turned on. This allows you to go through more questions in the allotted class time.

Polling

Scoring

Toolbar

Changes to Scoring settings apply to all future sessions.

Participation

Participants will earn participation points when they respond to

Performance

Points for correct response:

Points for responding:

Total possible points per question: 5

Timer

☐ Count up from 0 seconds
Polling does not end until manually stopped.

☒ Count down from (min:sec)
Polling ends automatically when time expires or when manually stopped.

How I Use iClicker

1. Clear instructions on the powerpoint.
- This group setup encourages only **ONE** student to answer.
 - I *primarily* use short answer questions for reviews, so this is especially necessary to limit the number of responses you need to review in real time.

EXERCISE

1. Get into teams of roughly 5.
2. Choose one person to be your REPRESENTATIVE. They are the **only ones** that can answer.
3. They will answer through Reef (app).
4. All teams that get the answer right will get points.
5. Team with the most points wins.

How I Use iClicker

2. Creation of a team name.

- Submitted on Reef
- Encourages a short-term group cohesiveness.
- Review names as they are coming in, as there are occasionally repeats.

A screenshot of an iClicker question slide. The slide has a dark teal background with a red square in the top right corner. The text is white. It says "Question One:" followed by "What is your team name?". Below this, there are two bullet points, each preceded by a teal arrow. The first bullet point says "YOU WILL PUT YOUR TEAM NAME BEFORE ALL ANSWERS THROUGHOUT THE GAME". The second bullet point says "EX. RABBIT-ANSWER".

Question One:
What is your team name?

▶ YOU WILL PUT YOUR TEAM NAME BEFORE
ALL ANSWERS THROUGHOUT THE GAME

▶ EX. RABBIT-ANSWER

How I Use iClicker

3. Have students list identifying information (names, University ID's, etc) of the group's members.
- I primarily look at this to see who grouped with whom.
 - It's not the most savvy way to cross-reference attendance or participation.



Question TWO:
LIST THE ABC123's of all members of
your group.

▶ YOU WILL PUT YOUR TEAM NAME BEFORE
ALL ANSWERS THROUGHOUT THE GAME

▶ EX. RABBIT- ABC123, ABC124, ABC125

How I Use iClicker

4. Identify how much each question is worth.
- When using iClicker to grade and keep track of points, it makes most sense to keep all questions the same value.

**ALL QUESTIONS
ARE WORTH 5 POINTS**

**One minute countdowns. No
exceptions.**

The top of the board is easiest,
the bottom is hardest.

How I Use iClicker

5. The Game Board

- I attempt to make it as colorful as possible, with categories that students will be intrigued by.
(puns)



(Sub)Disciplinary

Chains

Cancelled

Ribbing

Milk

Objects

The Beginning

Round Pegs

Mistakes

Soda

What's in a Name?

The End

Mixed Up

Hearty

Knucklehead

Specialties

The Survivors

Forgotten

Wine

Obsession

Getting Sick

The Inheritance

Daughters

Spiderman

Give and Take

KNUCKLEHEAD

LIST three differences between human male and female craniums.

BACK

Smaller mastoid, less pronounced brow ridges, less muscle markings

MILK

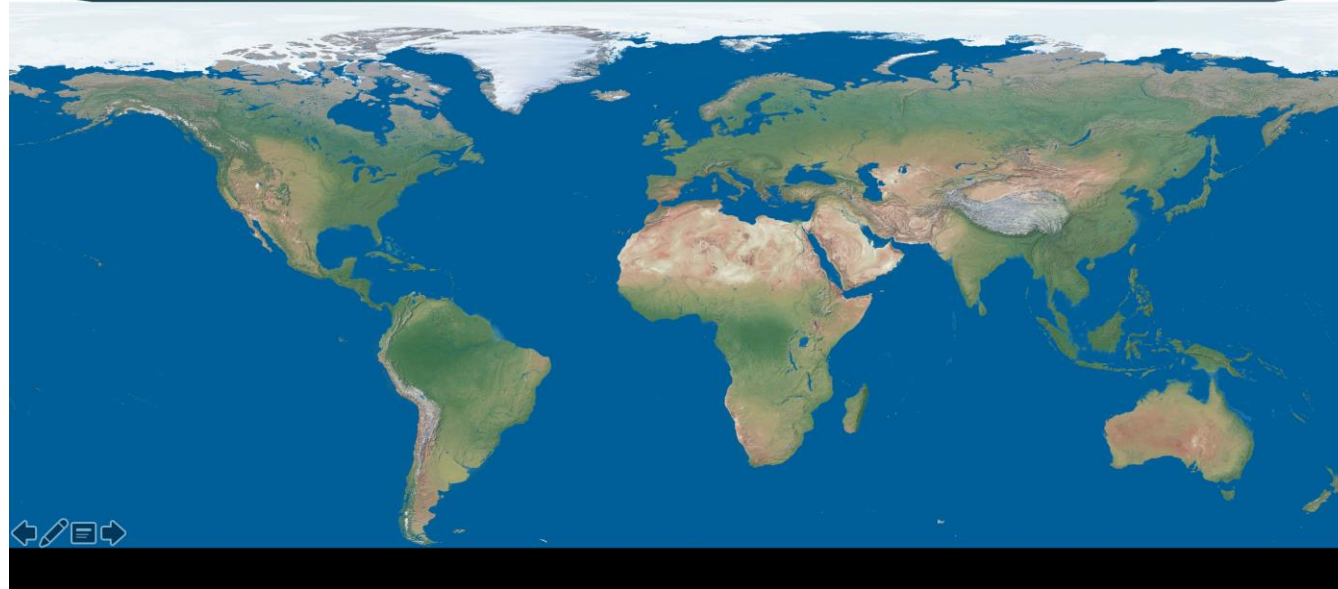
WHICH chromosome does the milk mutation occur on?

BACK

2nd chromosome

Question Examples

On this map, identify where the *Gigantopithecus* once lived.



Question Example

How I Use iClicker

The screenshot displays the iClicker Cloud interface during a presentation. The main slide, titled "DEFINE the species concept.", is on slide 19 of 30. A "Results" window is open, showing "Question 6" with a "Short Answer" type. The window includes a "View Word Cloud" button and a table of responses.

Response	Votes	%
Homonins- grouos of individuals that can prodice fertile offspring	1	11%
PRIME - a group of individuals that can potentially interbreed and produce fertile offspring definition.	1	11%
the animals breed and produce viabal offspring	1	11%
number of same species capable of interbreeding	1	11%
Squid- produce fertile offspring	1	11%
alpha: organisms in a group that can interbreed and produce viable offspring	1	11%
team name. when you can interbreed and have viable fertile offsroring	1	11%

The interface also shows a "Next slide" preview for slide 20, titled "C2", with the text "Apes and Old world monkeys have the same dental formula 2.1.2.3.". The Windows taskbar at the bottom shows the time as 9:20 AM on 3/28/2018.

How I Use iClicker

- Grade in Real Time

The screenshot displays the iClicker Cloud interface during a presentation. The main slide, titled "COMPARE a precision power grip.", is partially visible. A "Results" window is open, showing "Question 4" with a "Short Answer" format. The window includes a table of responses and a "View Word Cloud" button. The table lists four responses, each with 1 vote and 17% of the total. The responses are: "Cross- precision: thumb vertical, power:parallel", "Zoo Keepers- precision grip has thumb touching fingers, power used for strength more.", "starbucks- precision grip is with your finger, power grip is grabbing", and "ones thumb's up and the other". There is also an "Other Response" field. The interface includes a top bar with "SHOW TASKBAR", "DISPLAY SETTINGS", and "END SLIDE SHOW" buttons. A left sidebar shows "iClicker Cloud" with options for "POLLING", "RESULTS", and "ATTENDEES" (60). The bottom of the screen shows a Windows taskbar with the time 9:15 AM and date 3/28/2018.

Results

Question 4

Short Answer

Select All Deselect All View Word Cloud

Correct	Best	Response	Votes	%
<input type="checkbox"/>	☆	Cross- precision: thumb vertical, power:parallel	1	17%
<input type="checkbox"/>	☆	Zoo Keepers- precision grip has thumb touching fingers, power used for strength more.	1	17%
<input type="checkbox"/>	☆	starbucks- precision grip is with your finger, power grip is grabbing	1	17%
<input type="checkbox"/>	☆	ones thumb's up and the other	1	17%
<input type="checkbox"/>	☆	Other Response		

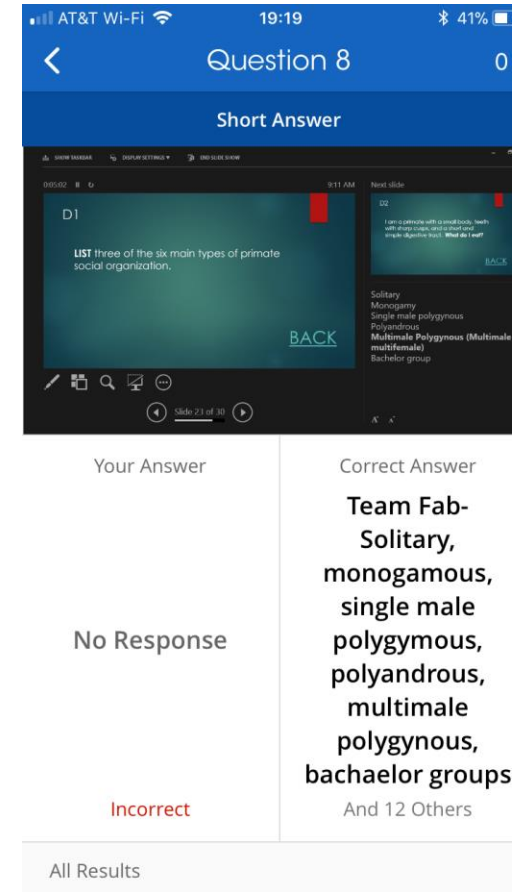
Slide 12 of 30

9:15 AM 3/28/2018

How I Use iClicker

- Students respond.
- Instant feedback AND POINTS.

Question: List three of the six forms of primate social organization.



The screenshot shows the iClicker app interface. At the top, the status bar indicates AT&T Wi-Fi, 19:19, and 41% battery. The app header shows a back arrow, 'Question 8', and a score of '0'. Below the header is a blue bar labeled 'Short Answer'. The main content area displays a presentation slide titled 'D1' with the question 'LIST three of the six main types of primate social organization.' and a 'BACK' button. To the right of the slide is a list of primate social organization types: Solitary, Monogamy, Single male polygynous, Polyandrous, Multimale Polygynous (Multimale multifemale), and Bachelor group. Below the slide, a 'Your Answer' section shows 'No Response' and 'Incorrect'. To the right, a 'Correct Answer' section lists the correct responses: 'Team Fab-Solitary, monogamous, single male polygynous, polyandrous, multimale polygynous, bachaelor groups' and 'And 12 Others'. At the bottom, there is a button labeled 'All Results'.

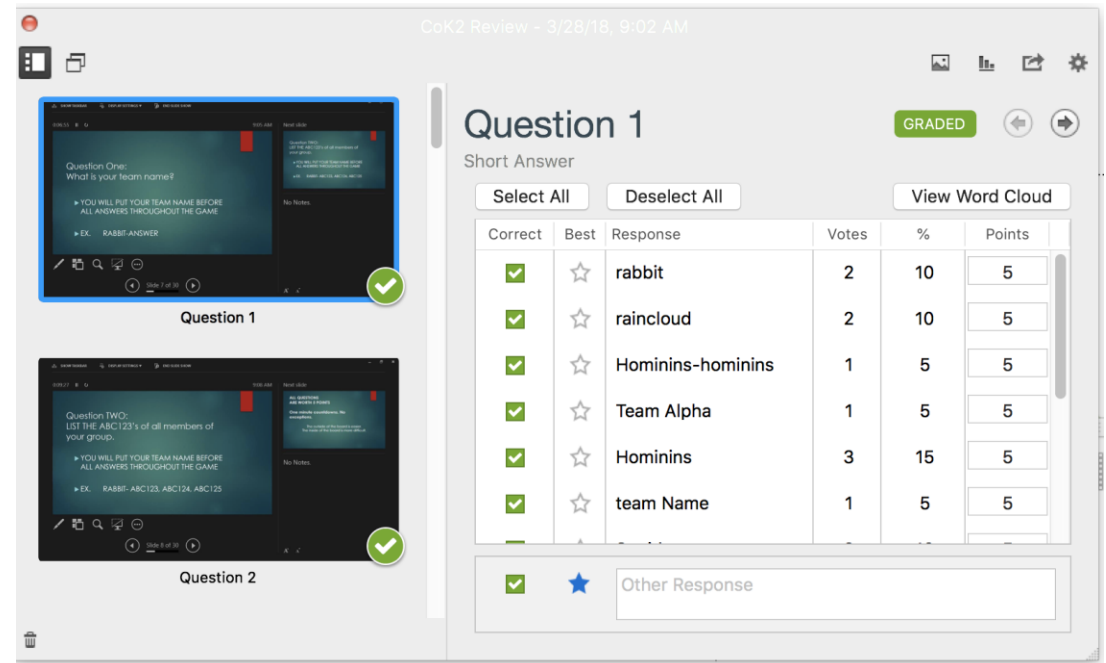
Your Answer	Correct Answer
No Response	Team Fab-Solitary, monogamous, single male polygynous, polyandrous, multimale polygynous, bachaelor groups
Incorrect	And 12 Others

All Results

How I Use iClicker

- Declaring the Winner
- Have to close the session and export it to identify who has the most points.

CoK2 Review - 3/28/18, 9:02 AM



Question 1 GRADED

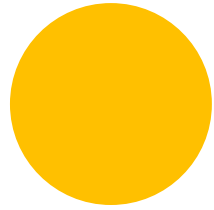
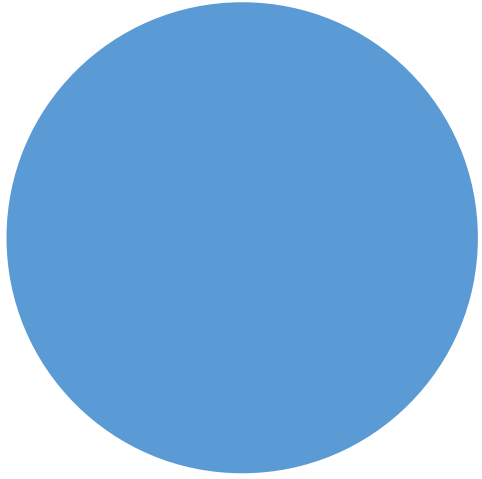
Short Answer

Select All Deselect All View Word Cloud

Correct	Best	Response	Votes	%	Points
✓	☆	rabbit	2	10	5
✓	☆	raincloud	2	10	5
✓	☆	Hominins-hominins	1	5	5
✓	☆	Team Alpha	1	5	5
✓	☆	Hominins	3	15	5
✓	☆	team Name	1	5	5
✓	★	Other Response			



Student Response



Suggestions and Best Practices

What Type of Question?

REEF

- All question types are possible.

iClicker2 Remote

- For ease, multiple choice and number.

What Type of Question?

IN GROUPS/PAIRS

- All question types are possible.

Recommendation: Integrate more short answer.

INDIVIDUALLY

- All question types *except short answer*.

Recommendation: If appropriate, integrate variety (multiple choice, number, target).

The Gameboard

Important for students to see.

- Clearly visible
 - Powerpoint
 - Doc Cam

Where to get them.

- Create your own!
- Find and adapt templates.
 - <https://tekhnologic.wordpress.com>
 - <https://www.rusnakcreative.com>

The Questions

Important for students to see.

- Clearly visible
 - Powerpoint
 - Doc Cam

If using powerpoint, more prep may be necessary to create slides and links to and from the game board.

Contact

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