

GAME DESIGN

As a Framework



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dependent Praxis

Exercises 1-4 are to be done

Praxis 1

Praxis 2

Praxis 3

Praxis 4

Praxis 5

Praxis 6

Praxis 7

Praxis 8

Praxis 9

Praxis 10

Praxis 11

Praxis 12

Praxis 13

Praxis 14

Praxis 15

Praxis 16

Praxis 17

Praxis 18

Praxis 19

Praxis 20

Praxis 21

Praxis 22

Praxis 23

Praxis 24

Praxis 25

Praxis 26

Praxis 27

Praxis 28

Praxis 29

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Praxis 62

Praxis 63

Praxis 64

Praxis 65

Praxis 66

Praxis 67

Praxis 68

Praxis 69

Praxis 70



**HOW
CAN WE
REACH
THEM?**





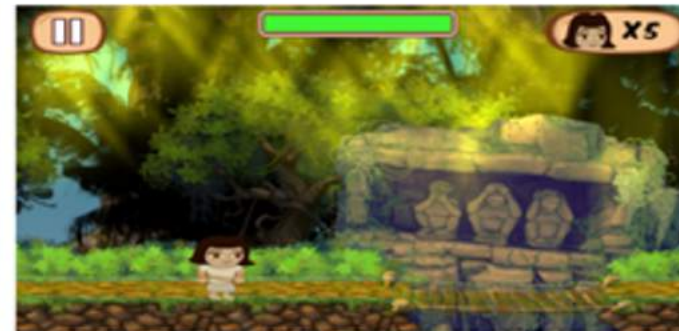
GO WHERE THEY ARE.





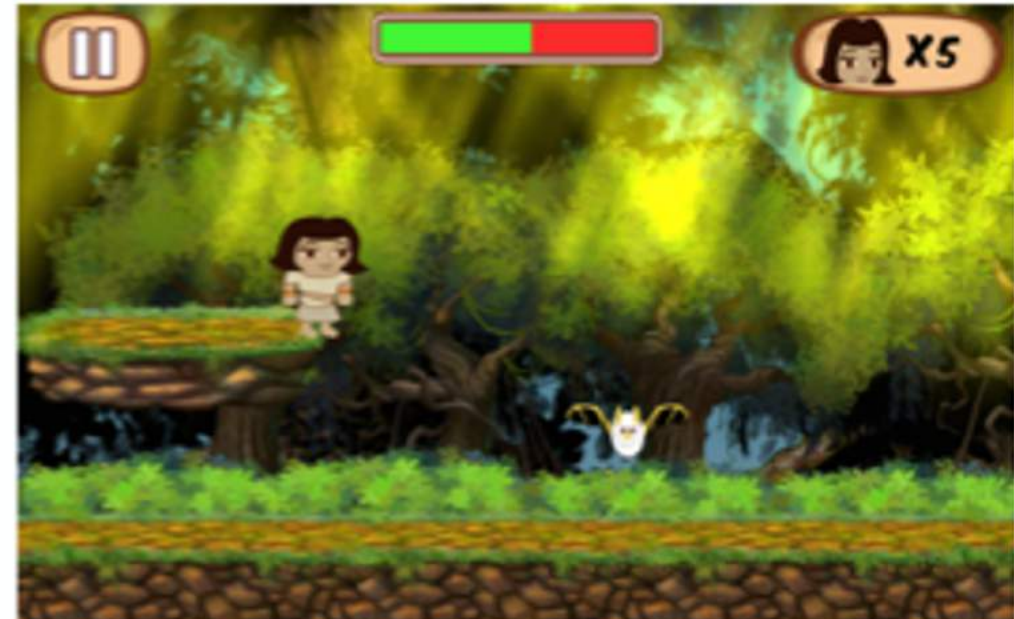
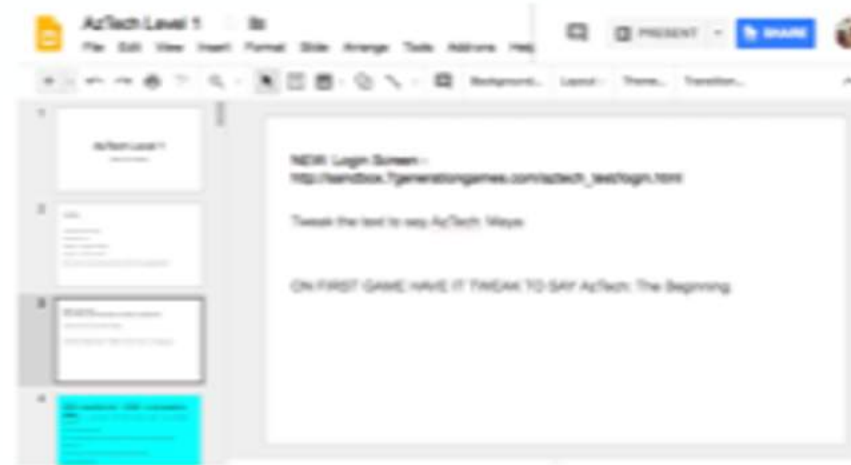
**MORE THAN
JUST GAMES**

HIGH TECH STARTS LOW TECH



Every movie, TV show, video game, comic novel, software program starts like this:

(A blank page)



And comes to life through the creative process.

SEEING THEMSELVES/THEIR CULTURE REPRESENTED IN MEDIA CAN GET YOUTH ENGAGED



MEDIA CAN BE USED AS A FRAMEWORK TO GET KIDS THINKING CRITICALLY.



LESSONS FROM GAME DESIGN



Learning in context



Cross-curricular integration: Narrative combined with data analysis



Application of knowledge learning previously



Repetition



Game Design as a framework: How might we create?

**HOW
DO YOU MAKE
VIDEO**

GAMES

 **7 Generation
Games**



**HOW
DOES
GAME
DESIGN
WORK?**



**EVERYONE'S
A CRITIC**



GAME _____

Example: Click an animal and video plays explaining its uses to the Maya.

An educational activity we could add is

GAME _____

Example: Have the weather change, so sometimes it's raining.

An idea for improving the environment is:

GAME _____

I'd improve the characters in this game by

GAME _____

Example: Find the right herbs.

A new challenge for the character would be

GAME

Example: Click an animal and video plays explaining its uses to the Maya.

An educational act

GAME

Example: Have the weather change, so sometimes it's raining.

the environment is:

GAME

I'd improve the ch

he right herbs.

e character would be

**80X
INCREASE
IN RESPONSES**

GAME _____

Example: Click an animal and video plays explaining its uses to the Maya.

An educational activity we could add is

GAME _____

Example: Have the weather change, so sometimes it's raining.

An idea for improving the environment is:

CONSTRUCTIVE CRITICISM

GAME _____

I'd improve the characters in this game by

GAME _____

Example: Find the right herbs.

A new challenge for the character would be

GAME _____

Example: Click an animal and video plays explaining its uses to the Maya.

An educational activity we could add is

GAME _____

Example: Have the weather change, so sometimes it's raining.

An idea for improving the environment is:

CRITICAL THINKING

GAME _____

I'd improve the characters in this game by

GAME _____

Example: Find the right herbs.

A new challenge for the character would be

PROJECT IDEA

If someone was going to make a video game* about your tribe what would the story be?

***Doesn't have to be a game – could be a movie, a Netflix series, a graphic novel, just something to center the topic around.**

If someone was going to make a video game about your tribe what would the story be?

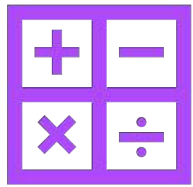
- How would the story be told?
- Who would the characters be?
- How would you research to ensure accuracy?
- Who would you talk to?
- Write up. Present. Storyboard.

PROJECT-BASED LEARNING

INTEGRATED ACROSS THE CURRICULUM

- Math – play game
- Social studies – play game with historical storyline
- Language arts – write professional letters, present to company, critical thinking
- Computer proficiency – games on computer, create presentations
- Additional skills – teamwork, communication skills, interpersonal skills

EXAMPLES BY INDIVIDUAL SUBJECT



MATH



ELA



**COMPUTER
SKILLS/TECH**



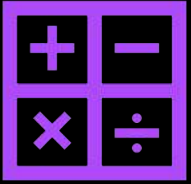
**SOCIAL
STUDIES**



ART



MUSIC



MATH



Play the games.



Brainstorm ways
you could include
math challenges.



Write up specific
problems.

EXAMPLES

- Ribbon shirt activity to teach fractions.
- Cooking game using fractions where you measure ingredients, put into a bowl and cook.
- Ice-fishing game where you fish and multiply the amount you need by number of people in the family.
- Farming or gardening activity where you calculate how much to plant or how much to harvest.

Amaris' mother is making a ribbon shirt. She wants all the ribbons to be one foot long. The black ribbon is one foot long. The red ribbons are half as long. The yellow ribbons are one-third as long. The green ribbons are one-sixth as long. Drag ribbons in the space below to sew them together.





SOCIAL STUDIES



Examine narrative



Compare with
information
learned in class



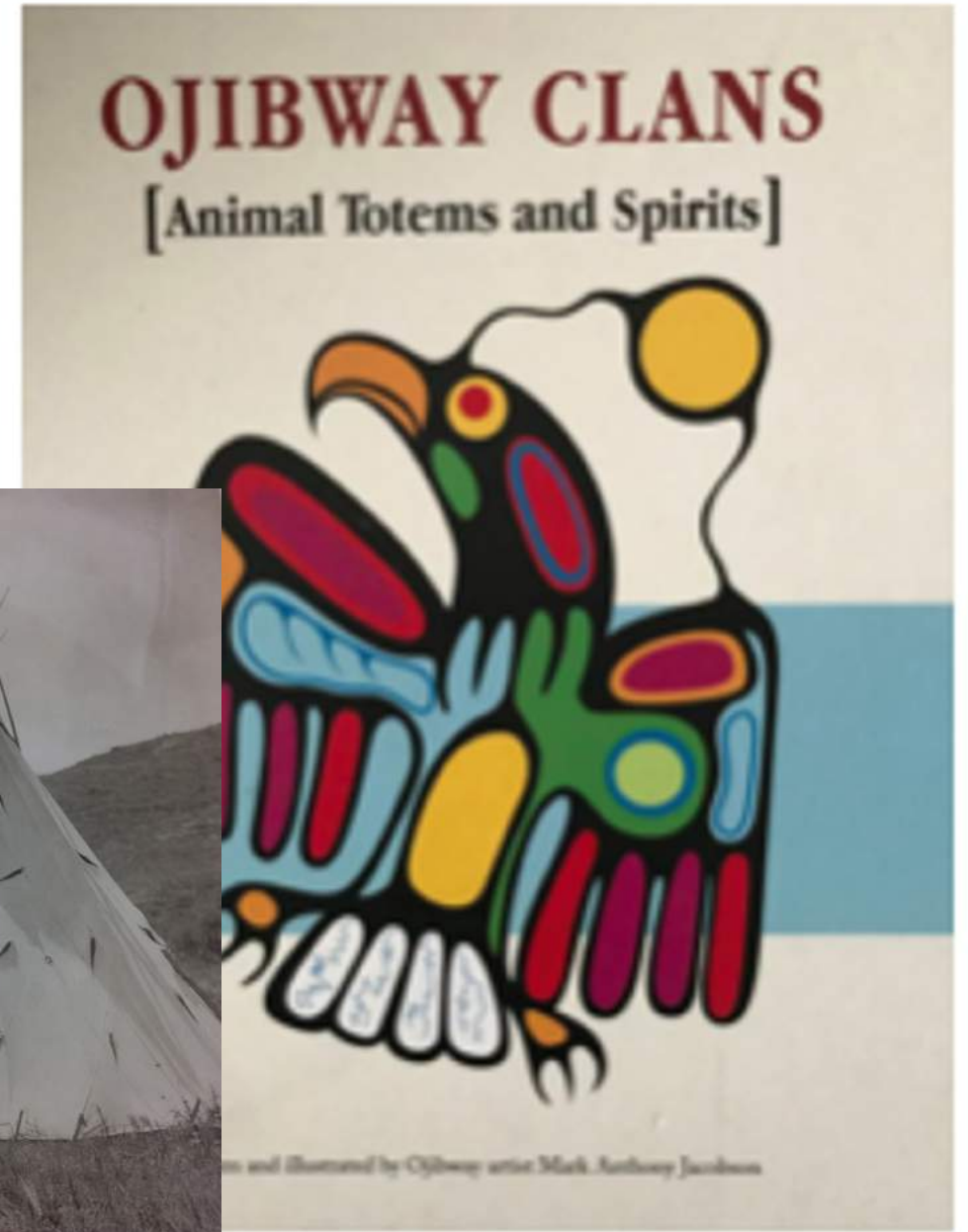
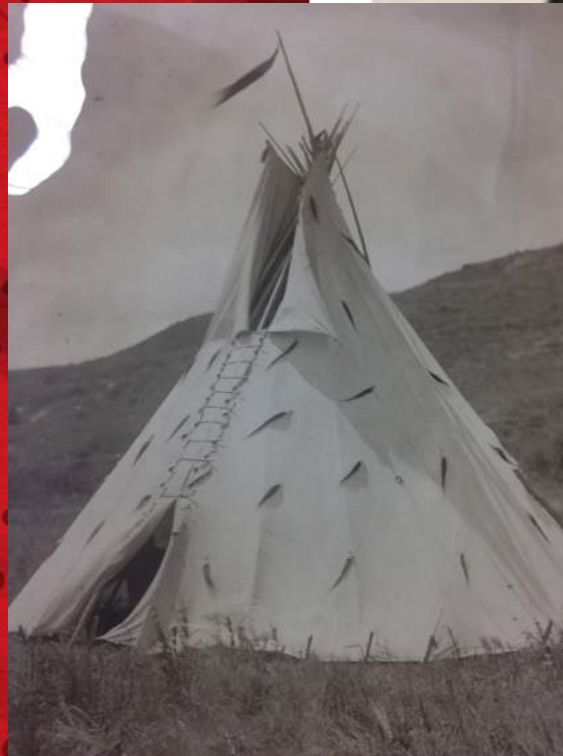
Research online
and using library
to find new
information.



Presentation.

STUDENT-GUIDED LEARNING

- Research
 - Internet
 - Archives
 - Library
 - Interview
- Reading
- Engagement



REAL-WORLD FEEDBACK



**SUGGESTIONS WERE
REVIEWED BY TRIBAL ELDERS.**

LANGUAGE ARTS



Write outline of suggestions for new or improved game.



Add a sentence or two under each point in your outline.



Work in groups to have other students read your paper.



LANGUAGE ARTS ACTIVITIES

What would you IMPROVE?

1. Students think critically about the narrative and gameplay.
2. Students draft letter following guidelines for professional correspondence.
3. Students revise and edit letter with teacher assistance or in peer groups.
4. Mail/email/deliver letters to company.
5. Students receive written response from design or development team.

IMPLEMENTED SUGGESTIONS

- Ribbon shirt activity to teach fractions.
- Fishing activity.
- Pow wow music



FEEDBACK LOOP



**YOUR
IDEAS
HAVE
VALUE.**



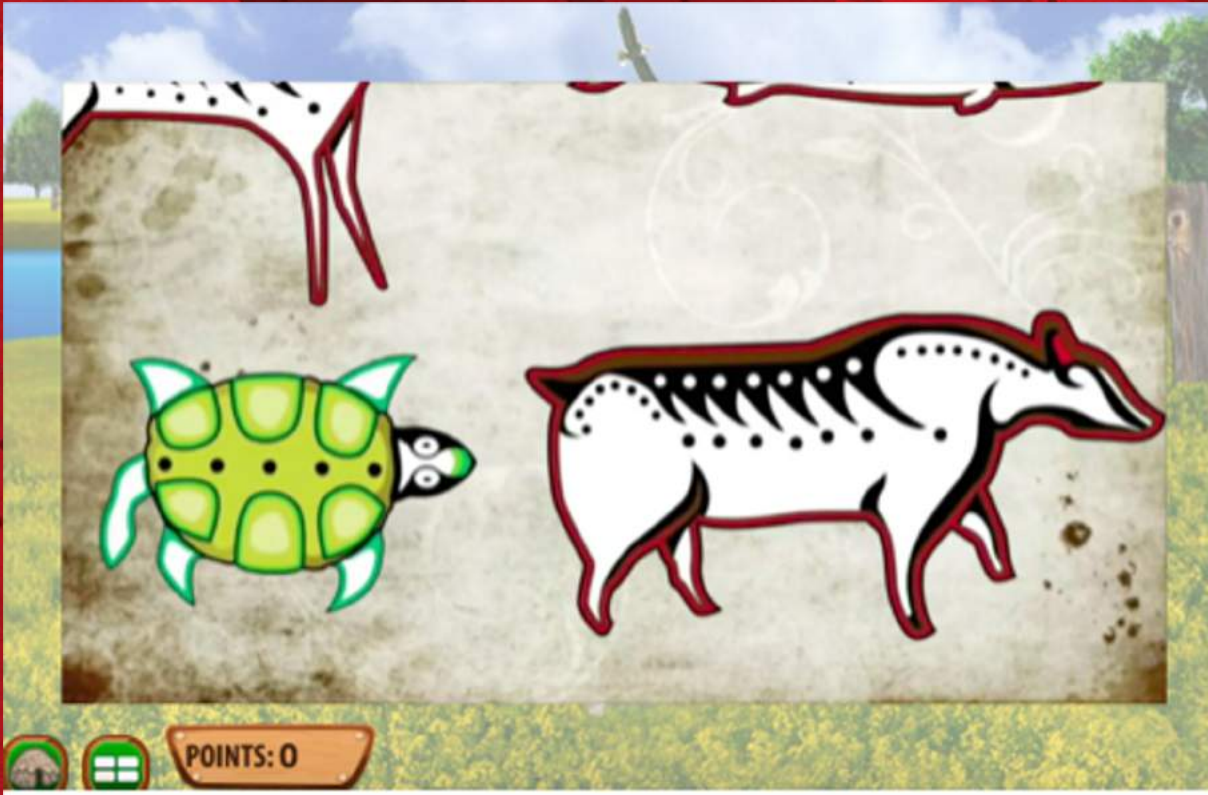


MUSIC





ART





COMPUTER SKILLS

- Students write and edit emails using Google Docs or Word.
- Student groups create PowerPoint or Google Slide presentations.
- Students present to development or design team via Skype.
- Using software that simulates standardized exams taken online.
- Use DIY tools/learn new software.



CREATE

MEMORY GAME

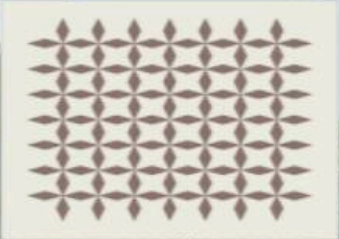
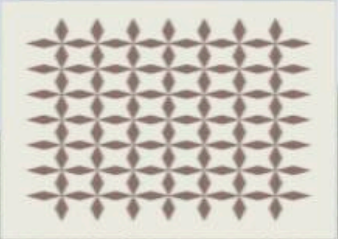
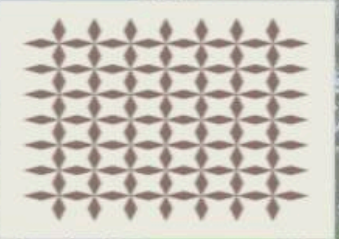

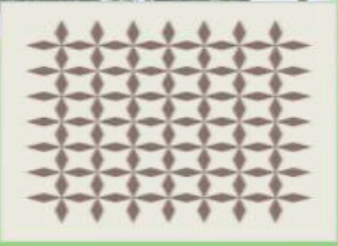
FROM MAKING CAMP- LAKOTA



ABC

Match the pictures with their actions

Time left: 35 seconds

Click on a card to reveal the picture or action word, try to match it with another card before time runs out!

		
		<p>Cooking Meat</p>

  **POINTS: 1**

MATCH THE MEMORY

matchthememory.com

MATCH THE MEMORY

Match The Memory

Play (Free!)

Play a fun, free memory matching game in your web browser (on any platform, including Mac, Linux, iOS and Android).

Create (Free!)

Make a custom memory game for free using your own pictures, videos, events and links.

Why Match The Memory?



















This year, skip the boring old holiday letter. Instead, let your loved ones find out what you've been up to by sending them to your own personalized Match The Memory game.

Your photos, words, and other content, combined with our unique gameplay, will create a customized and fun experience that children, parents and grandparents will want to play again and again.

Get Started Quickly



Card Type

Text-Only	Picture-Only	Text Over Picture	Text, Picture
<div>ABC DEF</div> <div>ABC DEF</div>	<div></div> <div></div>	<div></div> <div></div>	<div>CAT</div> <div>CAT</div>
<div>Text A, Text B</div> <div>ABC DEF</div> <div>UVW XYZ</div>	<div></div> <div></div>	<div>Text Over Pic A, Text Over Pic B</div> <div></div> <div></div>	

What combination of text and image you want by default on the front of your cards. (Each card can be individually customized later.)

Text

Use Enter key to add multiple lines of text

Text B

Use Enter key to add multiple lines of text

MATCH THE MEMORY

matchthememory.com

Match The Memory

Unconference Example

Cards Flipped: 0 Time: 00:20

Equivalent Fractions	Equivalent Fractions	Equivalent Fractions	Equivalent Fractions	Equivalent Fractions	Equivalent Fractions
Equivalent Fractions	Equivalent Fractions	Equivalent Fractions	Equivalent Fractions	Equivalent Fractions	Equivalent Fractions

Cards Flipped: 16 Time: 01:01

$\frac{2}{8}$	Equivalent Fractions	$\frac{2}{16}$	Equivalent Fractions	Equivalent Fractions	Equivalent Fractions
$\frac{3}{4}$	$\frac{9}{12}$	$\frac{1}{4}$	Equivalent Fractions	$\frac{1}{8}$	Equivalent Fractions

Match The Memory

Unconference Example

Cards Flipped: 0 Time: 00:20

Cards Flipped: 16 Time: 01:01

Cards Flipped: 24 Time: 01:50

Dakota Numbers 1-7	Dakota Numbers 1-7	Dakota Numbers 1-7	7	Dakota Numbers 1-7
Dakota Numbers 1-7	Dakota Numbers 1-7	Dakota Numbers 1-7	Dakota Numbers 1-7	Dakota Numbers 1-7
Dakota Numbers 1-7	SAKOWIN	Dakota Numbers 1-7	Dakota Numbers 1-7	

Cards Flipped: 24 Time: 01:30

Dakota Numbers 1-7	Dakota Numbers 1-7	Dakota Numbers 1-7	7	Dakota Numbers 1-7
Dakota Numbers 1-7	Dakota Numbers 1-7	Dakota Numbers 1-7	Dakota Numbers 1-7	Dakota Numbers 1-7
Dakota Numbers 1-7				

Correct, 7 (seven) is sakowin.

PUZZLEFAST

www.puzzlefast.com

MAKE PUZZLES FAST!

PuzzleFast

INSTANT PUZZLE MAKER

FREE! • WORD SEARCH MAKER • CROSSWORD MAKER • EASY!

1.

Choose your puzzle type.

- ☒ Word Search (Word Find) [sample](#)
- ☐ Crossword [sample](#)
- ☐ Fill-In Crossword [sample](#)
- ☐ Scrambled Words (Jumble) [sample](#)
- ☐ Matching [sample](#)
- ☐ Number Search [sample](#)

2.

Give your puzzle a catchy title. Or don't. It's optional.

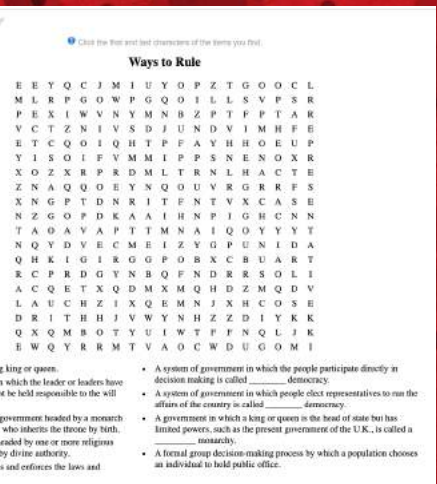
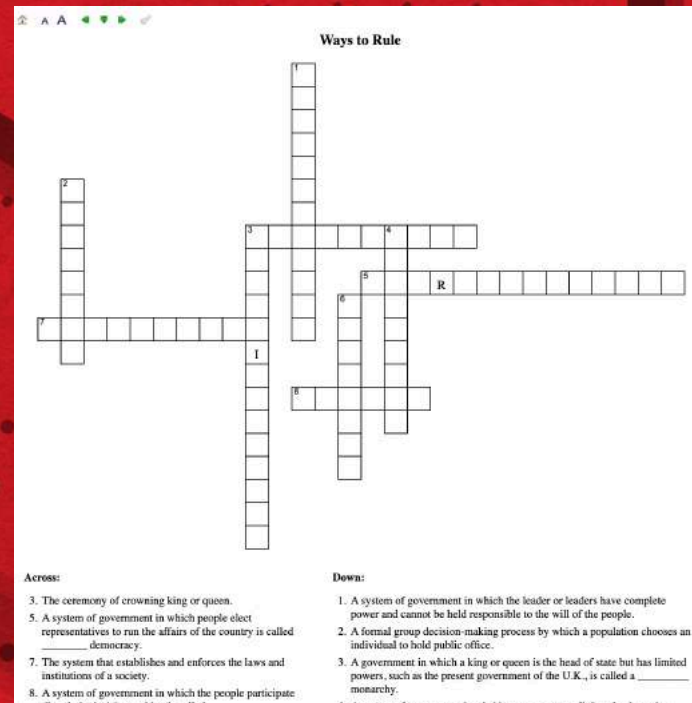


IMAGE MAP ACTIVITY

FROM MAKING CAMP- LAKOTA



PURPOSE GAMES

www.purposegames.com

 BETA
Games Create Explore Leaderboards



Create an Image Quiz

This is the favorite type of quiz to start with. Just upload an image, place blue dots for questions. Easy as pie. [Go create!](#)



Create a Matching Quiz

This is a really simple but addictive type of quiz. Match the items in the columns with each other. [Go create!](#)

Landforms

a quiz by [burnsortiz](#) • 0 plays • More


Remaining Correct Wrong
1 3 0

River.

75%

07:50.6

Quit



JEOPARDY LABS

www.jeopardylabs.com



JeopardyLabs

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Create a Jeopardy Game

It's free, fast, and easy. No registration required!

Find a Jeopardy Game

JeopardyLabs has **2 million** of them — and counting.

"JeopardyLabs is the simplest way to build Jeopardy-like games online."

– You (after using JeopardyLabs)

Water Cycle	Clouds	Weather Vocabulary	Stormy Weather	Tornado Safety and Trivia
100	100	100	100	100
200	200	200	200	200
300	300	300	300	300
400	400	400	400	400
500	500	500	500	500

Examples: [Weather](#), [World Capitals](#), [Geometry](#)

And if you like JeopardyLabs, try my other projects: [Testmoz](#), [CrosswordLabs](#), [Bingo Baker](#), [WordSearchLabs](#)

JEOPARDY LABS

Have Kids Create the Questions

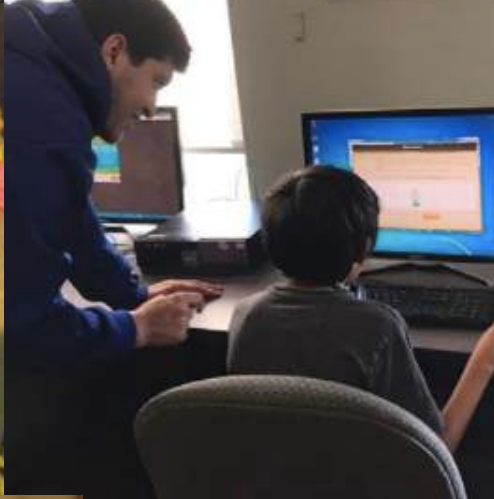
Terms	Lowest Terms	Solve	Word Problems	Problems with Hint
100	100	100	100	100
200	200	200	200	200
300	300	300	300	300
400	400	400	400	400
500	500	500	500	500

Continue ESC Word Problems for 300 Reveal Correct Response Spacebar

Bob has $\frac{8}{14}$ of a bag of chips. He eats $\frac{1}{2}$ of it. How much of the bag of chips does he have left?

$\frac{4}{14}$ or $\frac{2}{7}$ of his bag of chips

$\frac{1}{2}$ of $\frac{8}{14} = \frac{4}{14}$ $\frac{8}{14} - \frac{4}{14} = \frac{4}{14}$
or $\frac{2}{7}$ $\frac{4}{14}$ divided by 2 = $\frac{2}{7}$ - Eric





7 Generation Games

