GAME DESIGN

As a Framework

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RESPECT
starts.with.me

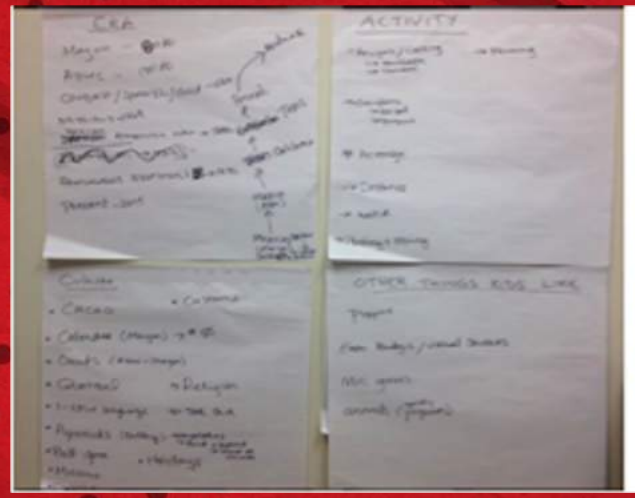
HOW CAN WE REACH THEM?

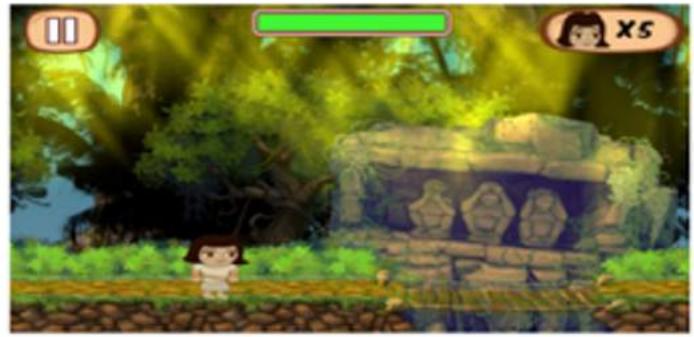
GO WHERE THEY ARE.

iPad
4:19 PM
18%
DO MATH. EARN STUFF. LEARN STUFF.
Select a box to choose your challenge.
POINTS: 0

MORE THAN JUST GAMES

HIGH TECH STARTS LOW TECH





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

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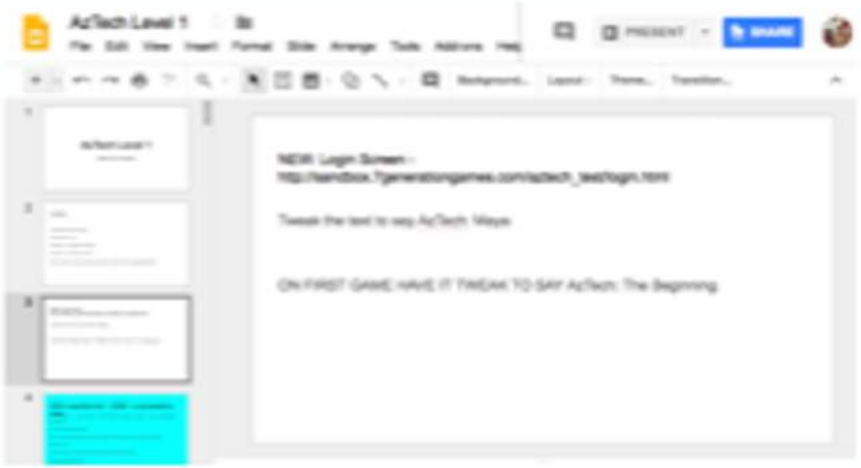
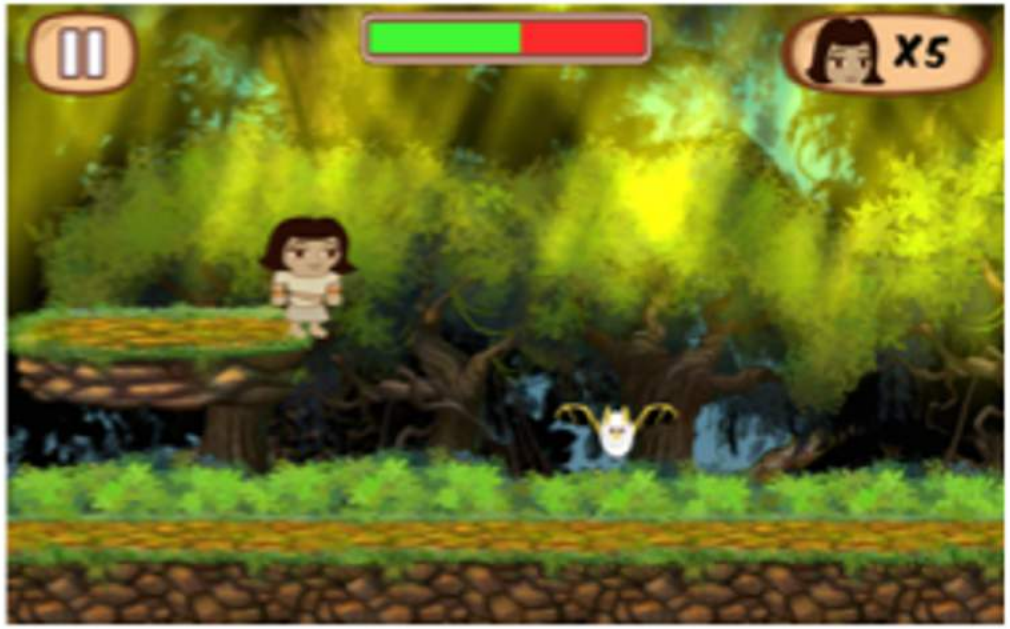




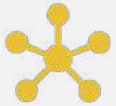
And comes to life through the creative process.

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

1Generation 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

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?

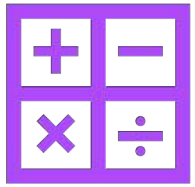
- How would the story be told?
- Who would the characters be?
- How would you research to ensure accuracy?
- Who would you talk to?
- Write up. Present. Storyboard.

PROJECT-BASED LEARNING

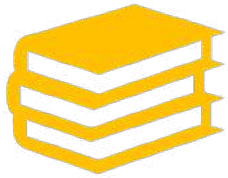
INTEGRATED ACROSS THE CURRICULUM

- 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

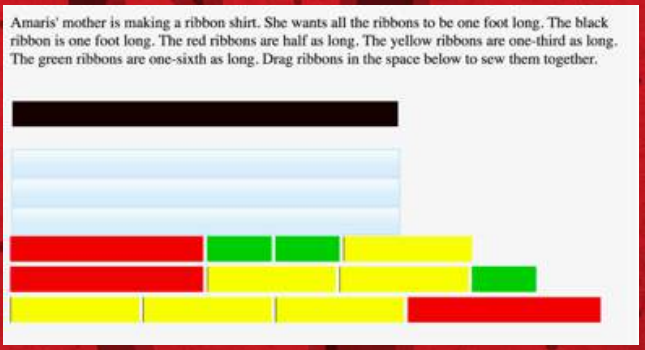
Play the games.

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.



SOCIAL STUDIES

Examine narrative

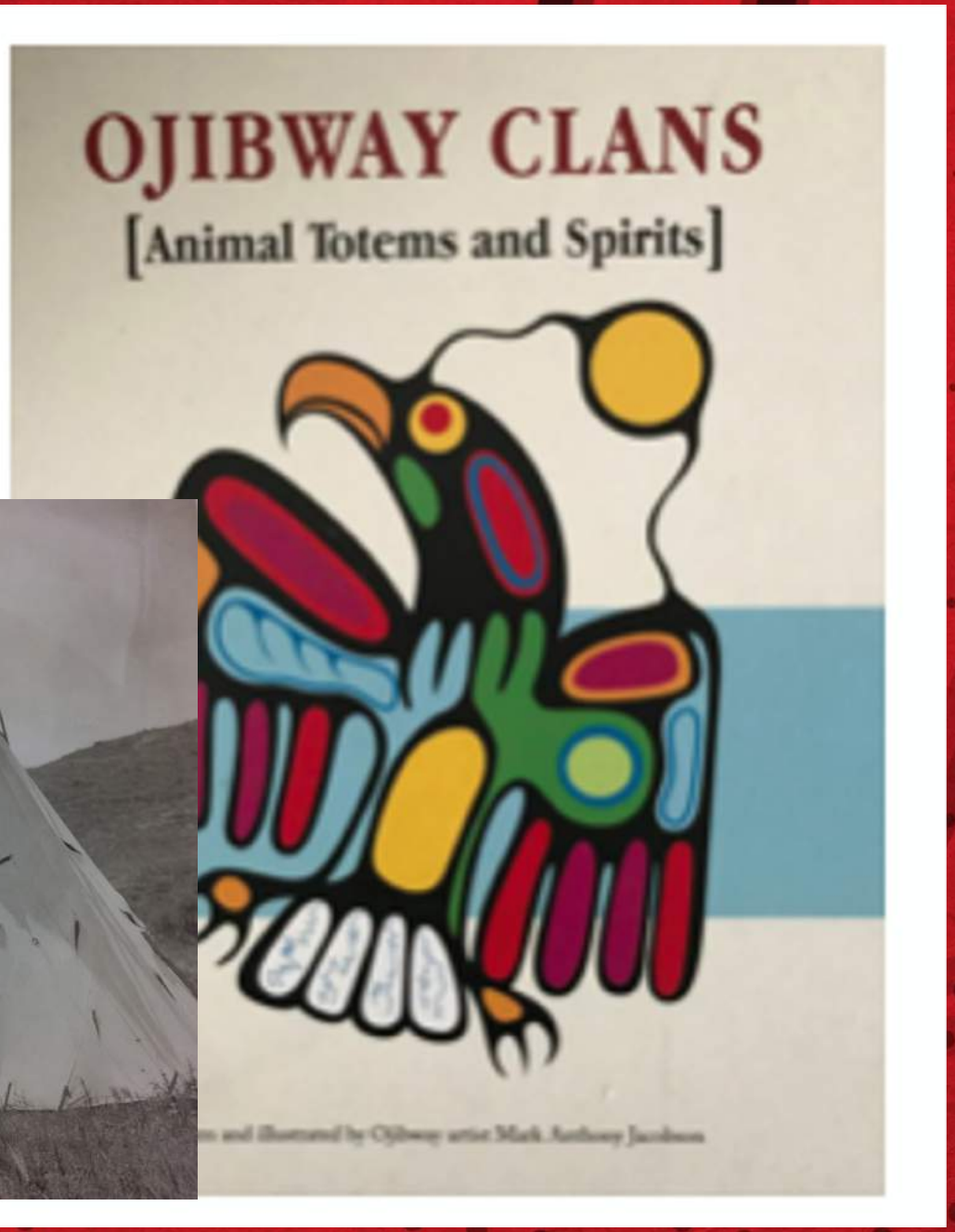
Compare with information learned in class

Research online and using library to find new information.

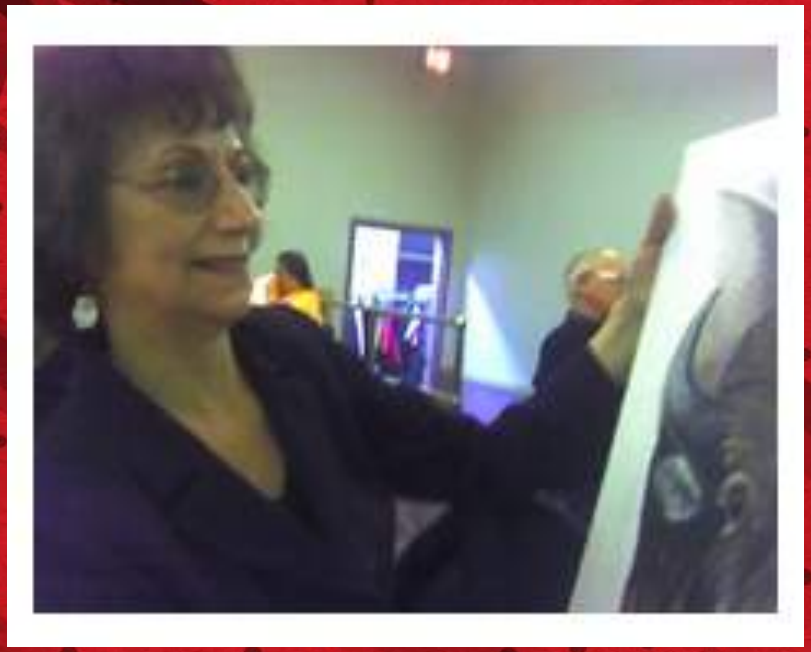
Presentation.

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

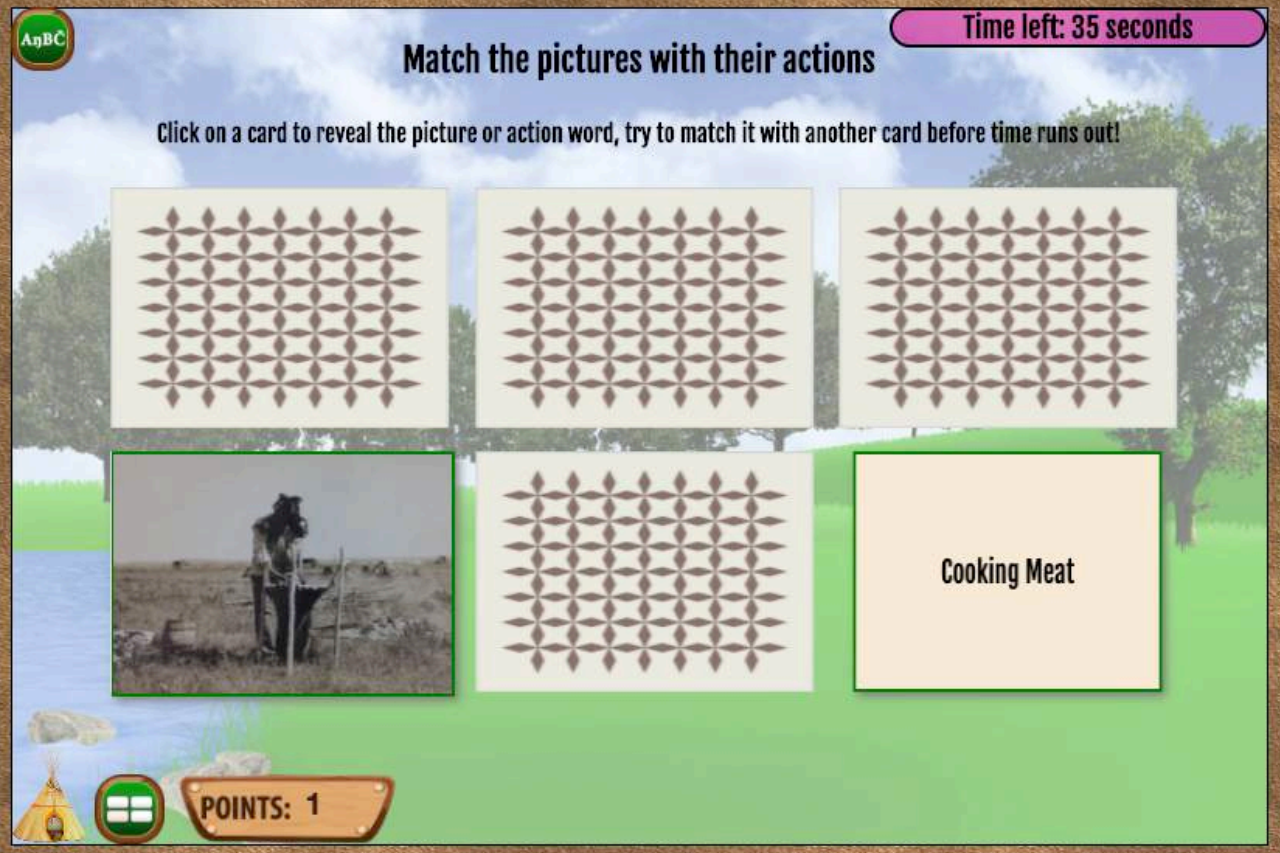
COMPUTER SKILLS

- 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

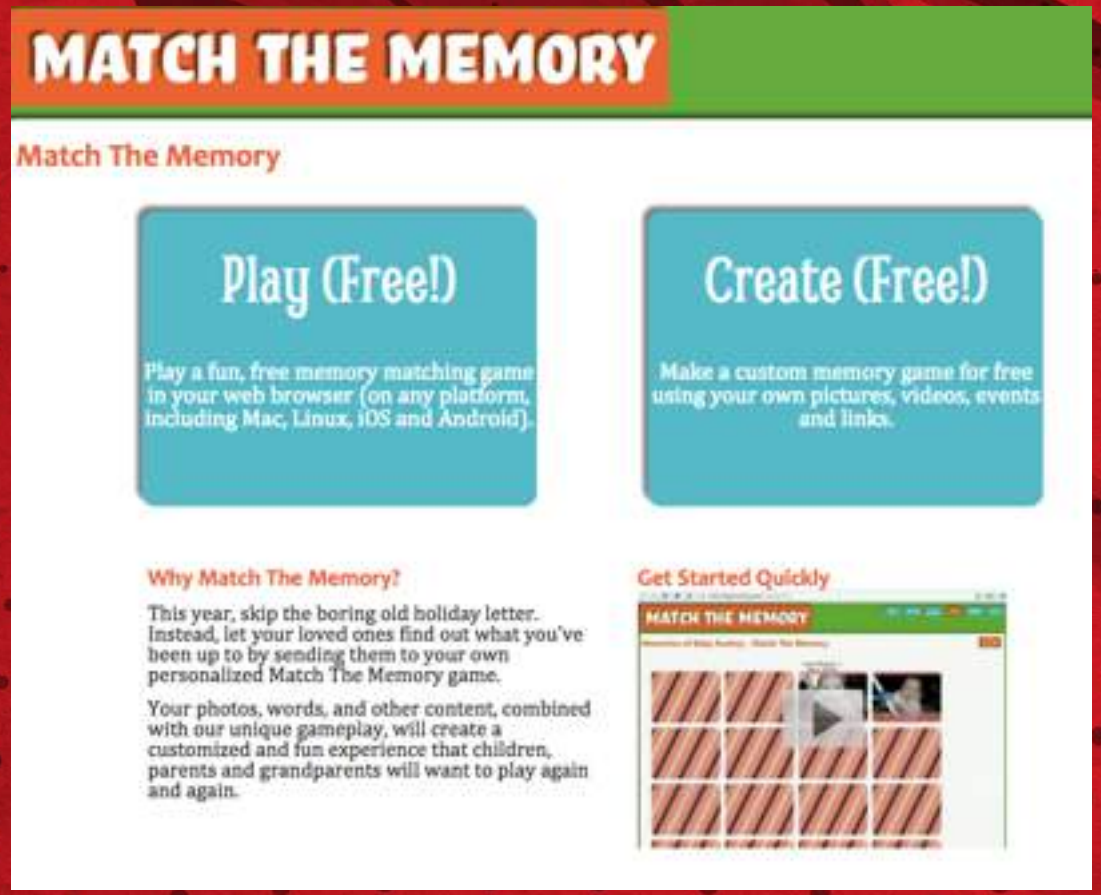
MEMORY GAME

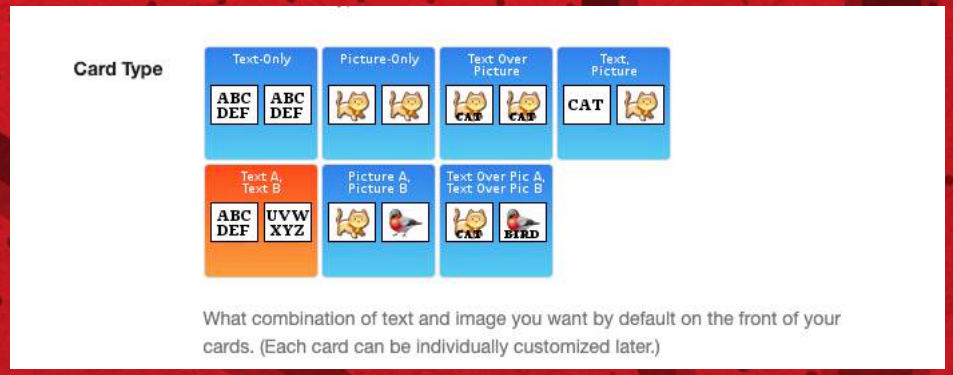
FROM MAKING CAMP- LAKOTA

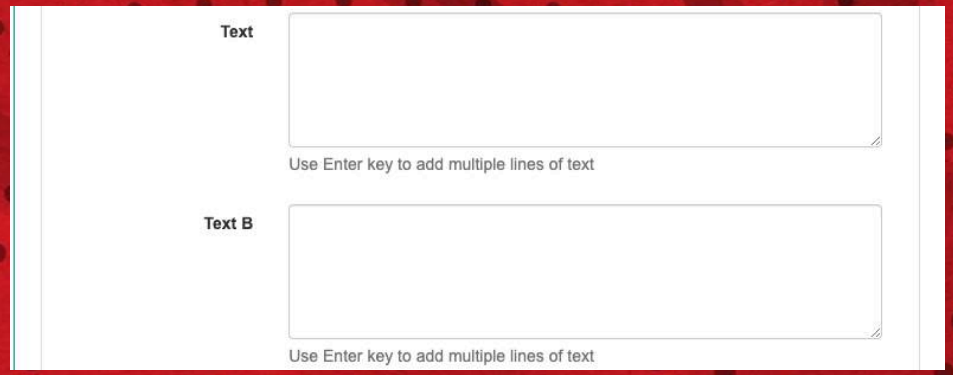


MATCH THE MEMORY

matchthememory.com







MATCH THE MEMORY

matchthememory.com

PUZZLEFAST

www.puzzlefast.com

MAKE PUZZLES FAST!

PuzzleFast

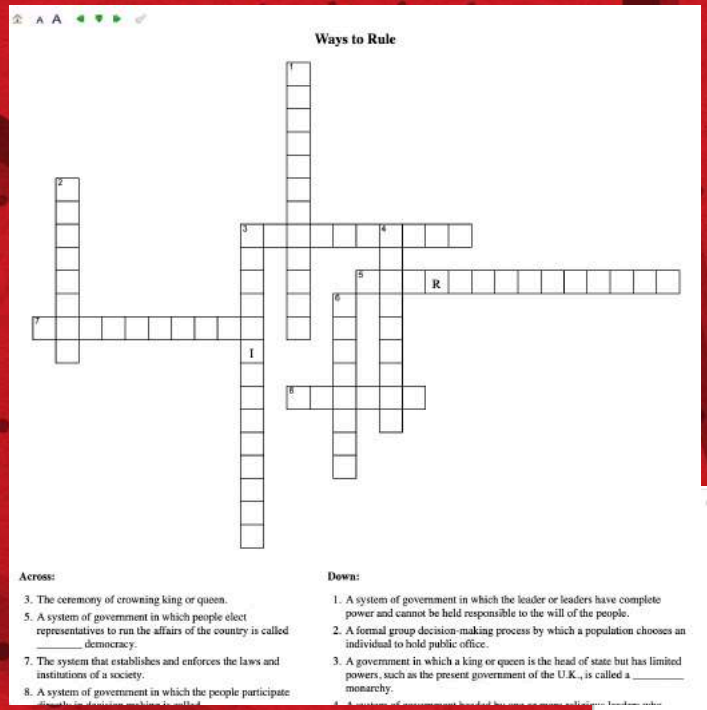
INSTANT PUZZLE MAKER

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.



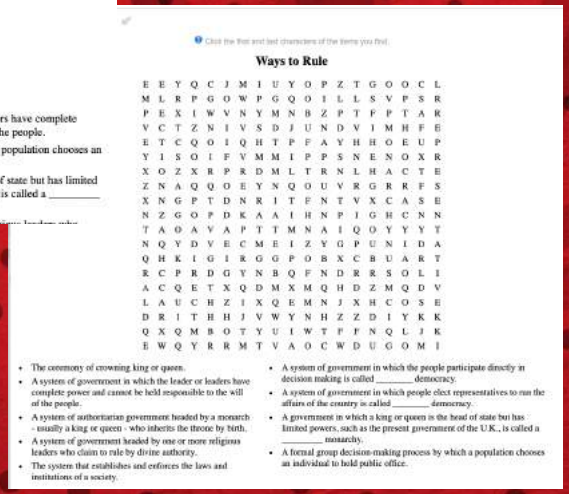
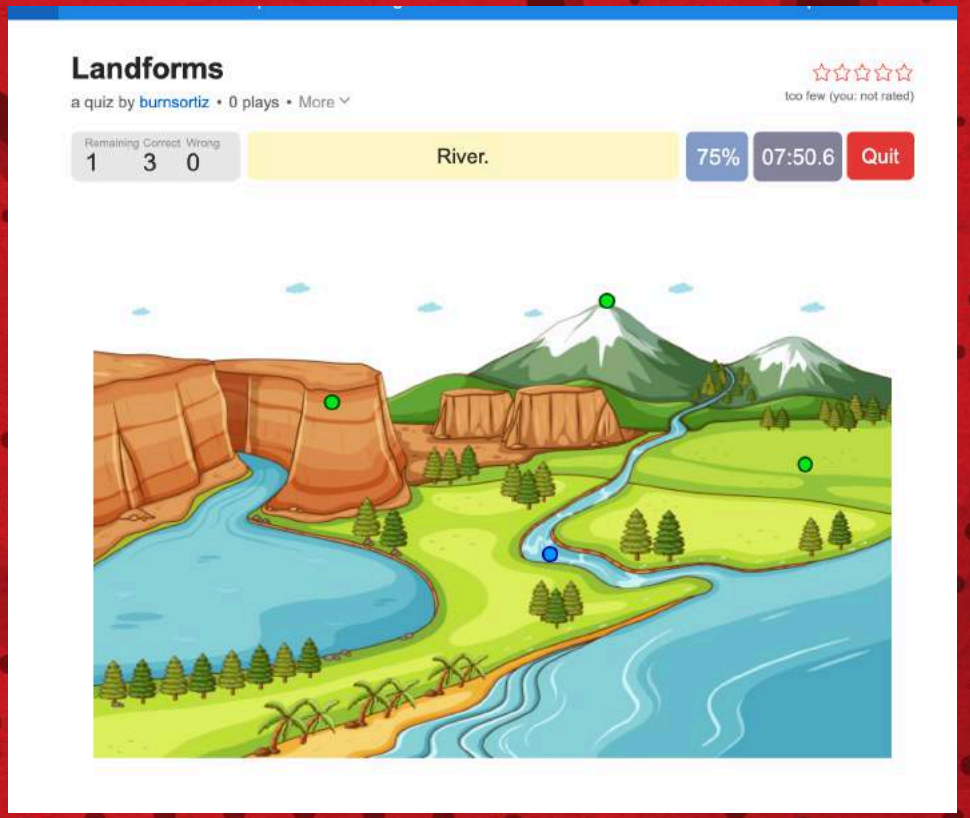


IMAGE MAP ACTIVITY

FROM MAKING CAMP- LAKOTA

PURPOSE GAMES

www.purposegames.com



JEOPARDY LABS

www.jeopardylabs.com

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

MENU

Continue ESC | Word Problems for 300 | Reveal Correct Response Spacebar

Bob has 8/14 of a bag of chips. He eats 1/2 of it. How much of the bag of chips does he have left?

4/14 or 2/7 of his bag of chips

1/2 of 8/14= 4/14 8/14-4/14=4/14 or 2/7 4/14 divided by 2= 2/7 - Eric

MENU

lenovo
485

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