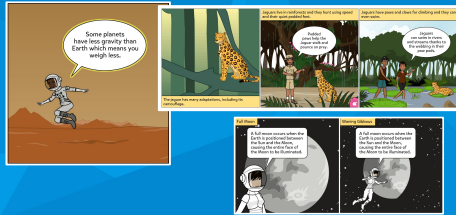
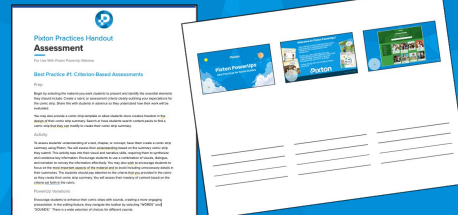




Content

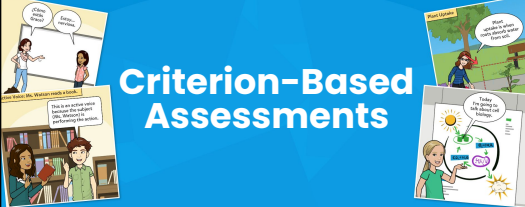


Handouts



Research-Based Best Practices Assessment

1. Criterion-Based Assessments
2. Formative Assessments
3. Summative Assessments



Criterion-Based Assessments

Research

The visual and narrative elements of comics may contribute to increased engagement and better retention of information.

Short, J. C., Randolph-Seng, B., & McKenny, A. F. (2013)

Example

Results for "jaguar"

LESSON PLAN (1)

CONTENT PAGES (1)

OTHER RESOURCES (1)

Make a comic about the Rainforest

Students explore the rainforest and learn about the different animals that live there. They also learn about the different plants and trees that grow in the rainforest. This activity is designed to help students learn about the rainforest and its importance to the world.



Prep

Content Packs
Explore the graphics that are available in the comic maker

Results for "jaguar"
100% of results related to the Jaguar.
100% of results related to the Jaguar.
100% of results related to the Jaguar.

Background Comic Panels
The jaguar is one of the most powerful cats in the world. It is the only big cat that can climb trees. It is also the only big cat that can swim. It is also the only big cat that can run as fast as a cheetah.

Backgrounds
A variety of backgrounds to choose from, including a jungle scene with a waterfall and a savanna scene with a sunset.

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PowerUp! Sounds

SOUNDS

Search
+ Add New Sound

Categories
Animals
Nature
Weather
People
Objects
Music
Effects

Results
A variety of sound effects to choose from, including a jaguar roar and a cheetah purr.

The jaguar has many adaptations, including its camouflage.
A jaguar is a big cat with a spotted coat. It is the only big cat that can climb trees. It is also the only big cat that can swim. It is also the only big cat that can run as fast as a cheetah.

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Formative Assessments

Comic Panels
A variety of comic panels to choose from, including a jaguar in a jungle and a cheetah in a savanna.

Assessments
A variety of assessments to choose from, including a multiple choice question and a short answer question.

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Research

Interactive assessments require students to actively engage with the material, make decisions, and problem-solve, leading to deeper learning.

Freeman, S., et al. (2014)

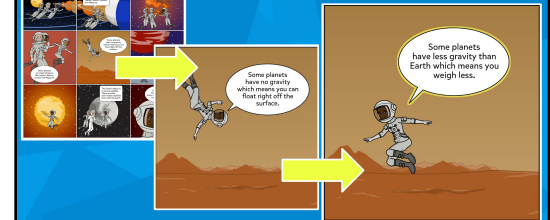
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Types

- Polls
- Think-pair-shares
- Homework
- KWL charts
- Pre-tests
- Low-stakes quizzes

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Exit Ticket



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Prep

How to Teach with Comics

1. Choose a topic


2. Create a comic

3. Share the comic

Results for "planets"

Make a comic about the Solar System

Make a comic about a Starship voyage



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PowerUp! Gamification



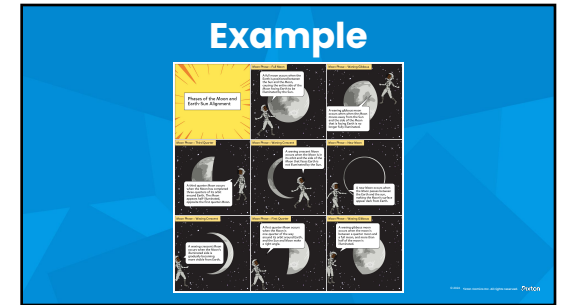
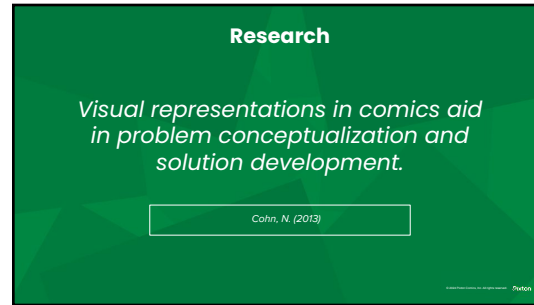
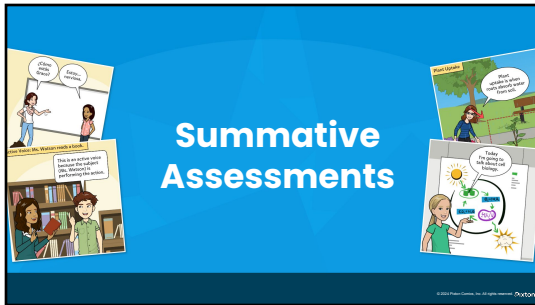
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Research

Principles of game-based learning and gamification have been shown to increase motivation, engagement, and learning outcomes.

Kapp, K. M. (2012)

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+ Edit Activity

Summative Assessment Moon Phases

Background & Focus

Objectives

Standards

Materials

Procedure

Assessment

1

Background & Focus

2

Objectives

3

Standards

4

Materials

5

Procedure

6

Assessment

1

Background & Focus

2

Objectives

3

Standards

4

Materials

5

Procedure

6

Assessment

1

Background & Focus

2

Objectives

3

Standards

4

Materials

5

Procedure

6

Assessment

1

Background & Focus

2

Objectives

3

Standards

4

Materials

5

Procedure

6

Assessment

PowerUp!

Remediate

Include writing prompts and vocab words

Show lists

Each student will get 3 at a time, randomly selected from this list:

The moon goes through different phases because...

In the New Moon phase, the moon is...

During the Full Moon, the moon appears...

The First Quarter phase shows the moon...

In the Waxing Crescent phase, the moon looks like...

The Waning Gibbous phase means...

This sequence of four moon phases is called the...

As well as this list of vocabulary words, in a random order:

astronomy, constellation, crescent, cycle, Earth, eclipse, full, gibbous, gravity, illumination, light, lunar, new, orbit, phase, position, quarter, reflect, rotation, satellite, visibility, waxing, waning

Recap

1. Criterion-Based Assessments

2. Formative Assessments

3. Summative Assessments

Pixton

**Thank
You!**



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