

Critiquiz

By: Team 3



Table of contents

1

The
Information
Service

2

The
Information
Environment

3

The
Information
Framework

4

CritiQuiz
Information
Cycle

5

Designing
for
Purpose

6

Embedding
in the
Learning
Ecosystem

7

Expected
Impact

8

Conclusion



The Information Service

What is CriteQuiz?

- AI-powered educational platform tailored for middle school students (ages 1–14).
- Enhances critical thinking through personalized, adaptive assessments.
- Aligns with curriculum standards to support meaningful learning experiences.



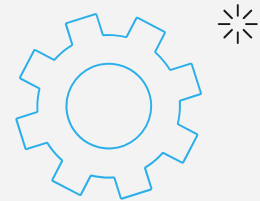
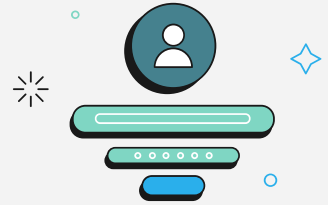
The Information Service cont.

Purpose

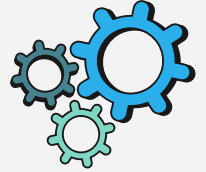
- Empower students to develop higher-order thinking skills.
- Equip teachers with actionable, real-time insights to tailor instruction.

Vision

- Transform education by embedding personalized, AI-driven assessments into classrooms.
- Bridge the gap between traditional testing and modern, adaptive learning tools, enabling students to achieve their fullest potential.



The Information Environment



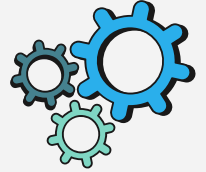
Target Audience/Context:

- Middle schoolers (11–14) transitioning to abstract thinking.
- Teachers use the platform to guide and monitor learning.

Deployment:

- In physical classrooms, virtual, or hybrid settings.
- Students engage with assessments; teachers customize and track progress.

The Information Environment cont.



Core Components:

- Students: Input responses and receive feedback.
- Teachers: Submit assessments and review insights.
- Organizations: Provide governance and policies.
- Systems: Ensure security, compatibility, and accessibility.



The Information Framework

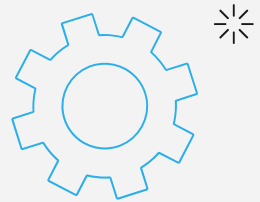


Core Data

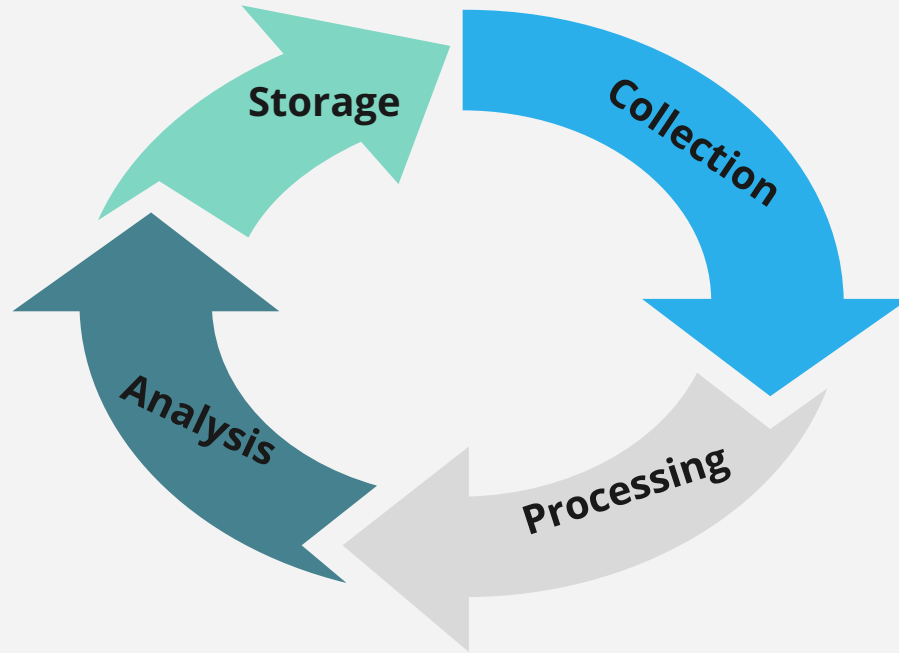
- Student responses
- Engagement metrics
- Quiz histories
- Teacher-configured assessments
- Systems log (*for optimization*)

Purpose of Data

- Enable personalized guidance
- Tracks progress over time
- Identify learning bottlenecks



The Critiquiz Information Lifecycle



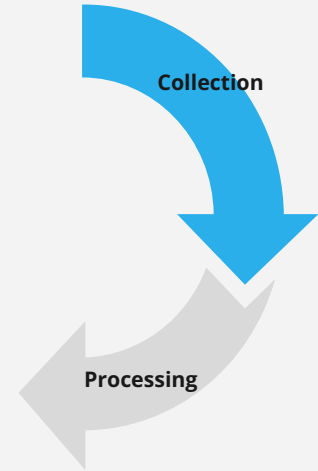
The Information Lifecycle cont.

Collection:

- Student inputs (quiz responses, engagement metrics).
- Teacher configurations (assessment settings, feedback criteria).
- System logs (usage data for optimization).

Processing:

- AI evaluates responses for accuracy and reasoning depth.
- Adjusts feedback and difficulty in real time.



The Information Lifecycle cont.

Analysis:

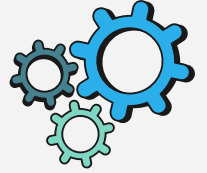
- Insights for students (personalized feedback).
- Reports for teachers (performance trends).
- System improvements (usage pattern insights).

Storage:

- Secure, cloud-hosted database (encrypted, role-based access controls).
- Data anonymization for privacy.



Designing for Purpose & Performance

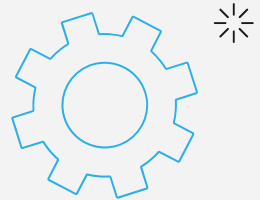


Data: Tracks learning progress and engagement.

Process: Adaptive quizzes and gamified elements.

Interface:

- Student-friendly, interactive, accessible and engaging.
- Teacher dashboards for insights.



Embedding in the Learning Ecosystem

CritiQuiz in Context:

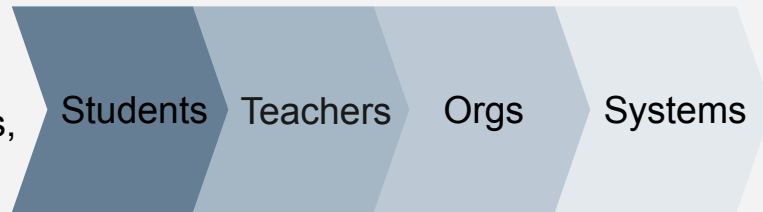
- Central AI Testing Application connects students, teachers, organizations, and systems.
- Designed for middle school classrooms (physical, virtual, hybrid).



Embedding in the Learning Ecosystem cont.

Components of the Environment:

- **Students:** Input responses and receive personalized feedback.
- **Teachers:** Create assessments, monitor progress, and customize feedback.
- **Organizations:** Ensure compliance with policies like FERPA and COPPA.
- **Systems:** Provide IT infrastructure, secure data storage, and accessibility.



Adaptability: Functions seamlessly across classroom, remote, and hybrid settings.

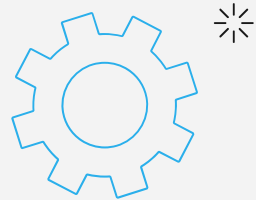
Expected Impact

For Students:

- Builds critical thinking and problem-solving skills.
- Enhances engagement through personalized, gamified learning.
- Prepares for academic success and standardized testing.

For Teachers:

- Provides actionable insights for differentiated instruction.
- Saves time by automating feedback and progress tracking.
- Enables targeted interventions for student growth.



Expected Impact cont.



For Schools:

- Aligns with curriculum standards and compliance requirements.
- Scales across in-class, remote, and hybrid learning environments.
- Fosters improved learning outcomes at institutional levels.



Conclusion

- **Summary:**

- AI-powered platform fostering critical thinking.
- Combines adaptive learning with actionable teacher insights.
- Empowers students and educators with personalized tools.

- **Future Vision:**

- A pioneering solution for 21st-century learning.
- Bridges traditional education with modern, AI-driven innovation.
- Supports lifelong learning by nurturing foundational cognitive skills.



THANK YOU!

