Healthy Educational Transition for Children with Chronic Illness: Supporting Children, Parents, and Schools Through Innovative Learning Technologies and Supportive Practices.

10 ➡ 20 Millions

Children and adolescents in the United States have some form of chronic illness or disability. Chronic refers to a health condition that lasts anywhere from three months to a lifetime.

Bella a 10-year-old girl, spent a year and a half in the hospital due to a chronic illness, missing out on school and falling behind academically.

Upon returning, he faced significant challenges as the rigid school system failed to accommodate his unique needs.

Schools play a significant role in children's social, emotional and intellectual well-being. For children with medical complexity (CMC) and chronic disease diagnoses (CDD), an absence from school due to prolonged hospitalisation places them at risk for greater social exclusion and poorer academic outcomes than their healthy counterparts.

School reintegration following hospitalisation for children with medical complexity and chronic disease
diagnoses: a scoping review protocol
Samantha Burns ,
1 Katie Doering,1 Donna Koller,2 Catherine Stratton

The initial strategy of improving academics through collaboration among the school, hospital, and family resulted in psychosocial, but not academic,improvements. Frequent tutoring, which was most achievable using online platforms, resulted in the greatest gains. The girl passed previously failed classes and advanced to the next grade.

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School reintegration following hospitalisation for children with medical complexity and chronic disease diagnoses: a scoping review protocol

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Processes that support the school reintegration of children with complex and chronic medical conditions currently lack consistency and identified evidence- based practices.

Adaptive Learning Technologies: Customizing Education to Individual Needs

Wambui David Adeline
Faculty of Education Kampala International University Uganda

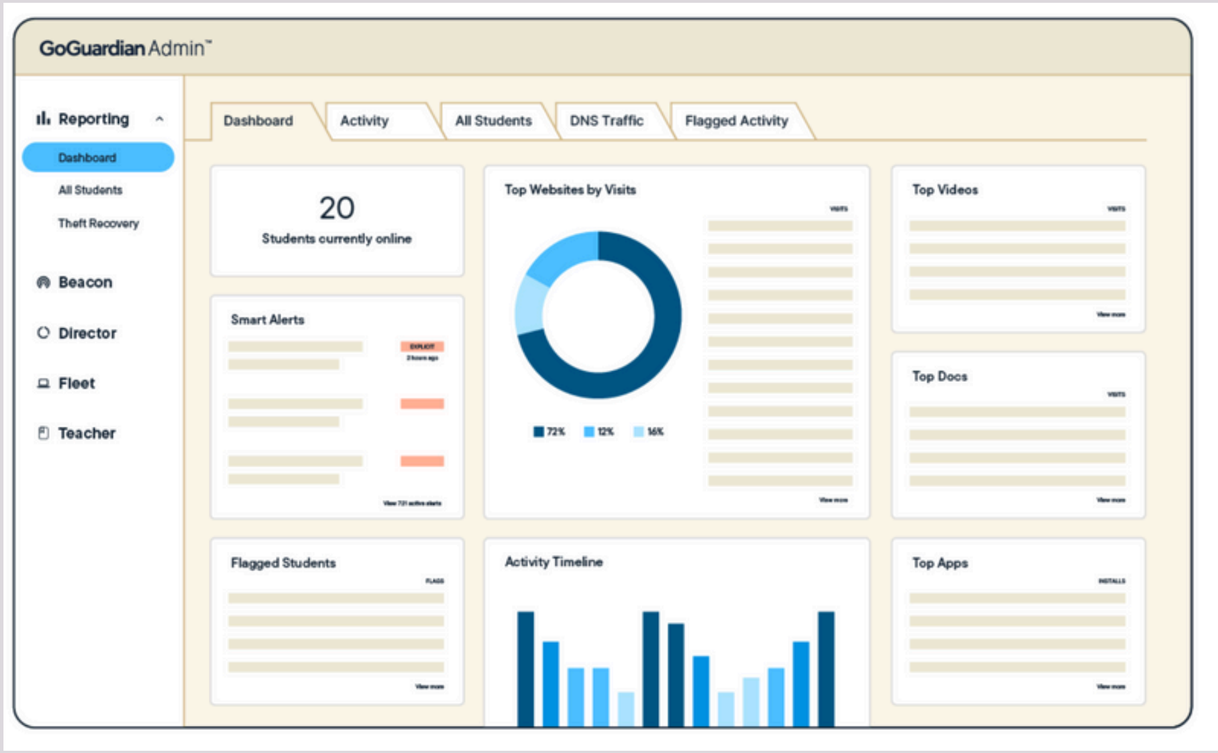
This paper explores the concept, benefits, and challenges of adaptive learning systems, highlighting their potential to transform educational practices.

Knewton Adaptive Learning Technology

Knewton adaptive learning combines a data-driven approach to course materials with a 360° view of an individual student to create optimized learning paths that help all learners reach their highest potential.

GoGuardian

Equip administrators, mental health officers, counselors, and educators with the necessary tools to focus digital exploration on learning, shield students from harmful content, and identify the signs of student harm.



DATA COLLECTION METHODS

1. DATA COLLECTION

- **SEMI-STRUCTURED INTERVIEWS WILL BE CONDUCTED WITH:**

- 1 Health professional in educational technology

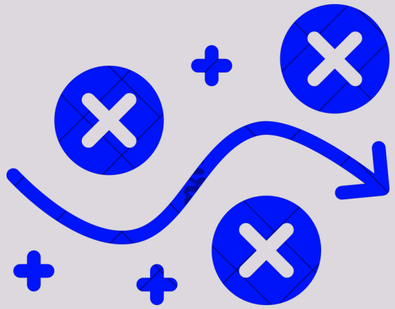
- 1 family of a child with progressive impairments to gather insights on real-world challenges.

- Secondary findings from literature and research papers will complement primary data.

2. DATA ANALYSIS

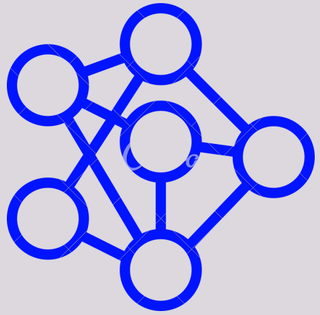
- Thematic analysis will be used to identify common themes, barriers, and needs from the interview data.

KLARA PROJECT



ADJUST THE LEARNING ENVIRONMENT BASED ON THE INDIVIDUAL NEEDS OF THE STUDENT.

KEEP PACE WITH THEIR PEERS WHILE MANAGING THE IMPACT OF THEIR CONDITION.



ALGORITHMS TRACK STUDENT'S PROGRESS.

KLARA

HEALTHY TRANSITION FROM HOSPITAL TO SCHOOL

Predictive Analytics:

Anticipates learning challenges and suggests interventions.

Emotional & Cognitive Tracking:

Behavioral data to detect stress or fatigue, adapting lessons to support mental well-being.

Real-time Feedback:

Provides teachers and parents with instant updates on academic progress.

Health Integration:

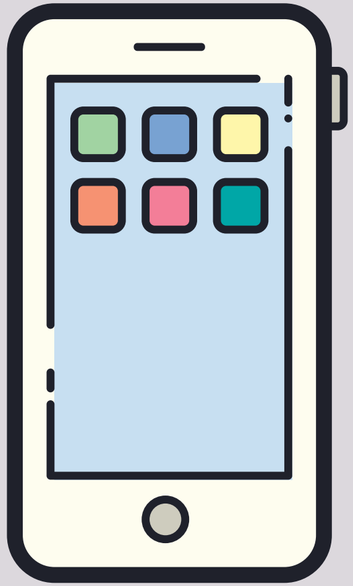
Syncs with medical data to adjust workload based on a child's physical condition.

Social Integration:

Encourages peer engagement through virtual interactions and group projects, easing the transition back to school.

Hello, Bella!

Rest for today!
This is a story from
your geometry class.

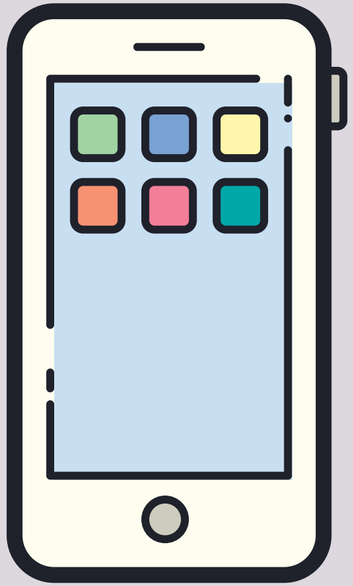


Dear Mom,

HEALTH:

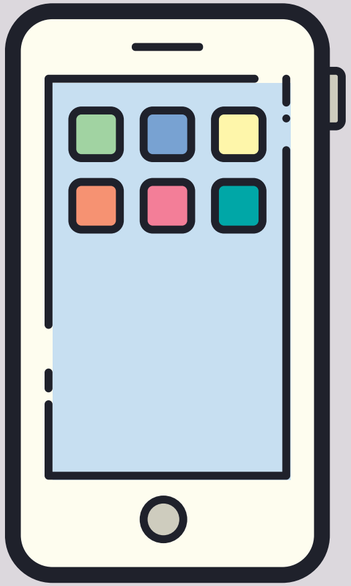
Bella will rest today. She has made progress over the past five days.

Today, she will listen to...



BELLA MONTGOMERY

ATTENDED ASSISTED LECTURE TODAY,

READING GEOMETRY

FULFILLING CLASS REQUIREMENT FOR WEEK 7.