

Jan 2026

Reclaim Attention!

Entry to The Create+AI Challenge

TRACK: Augment Learning



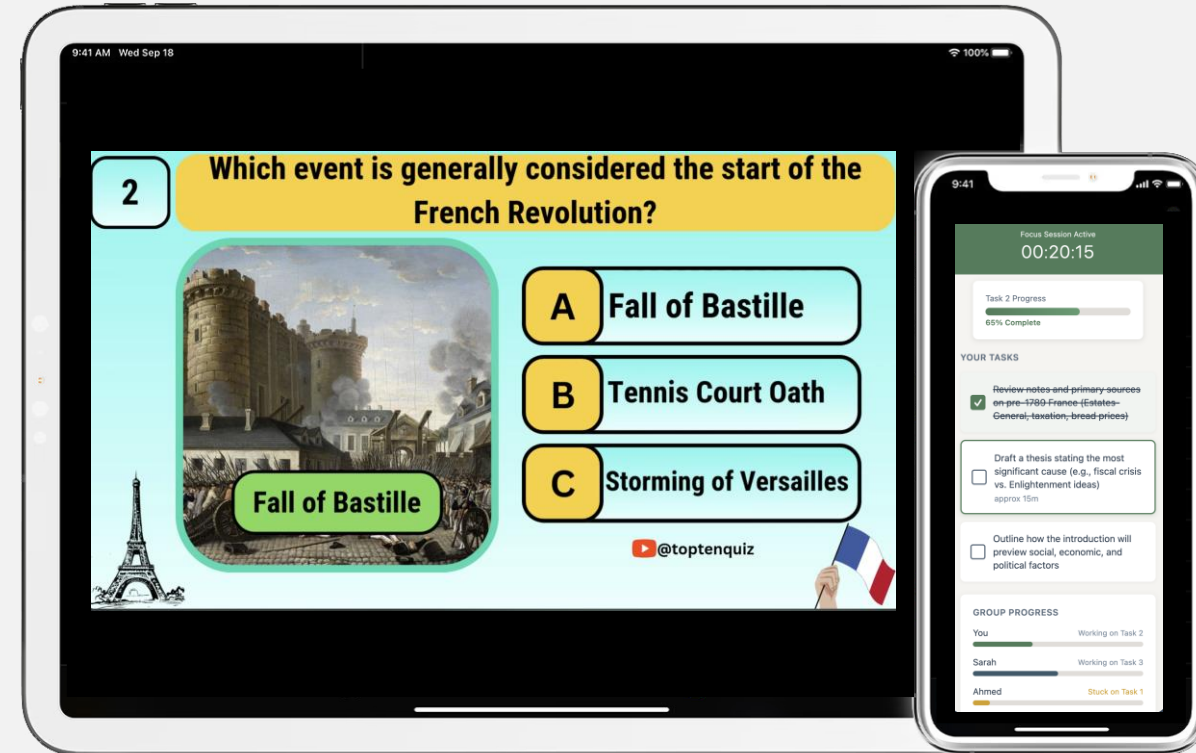
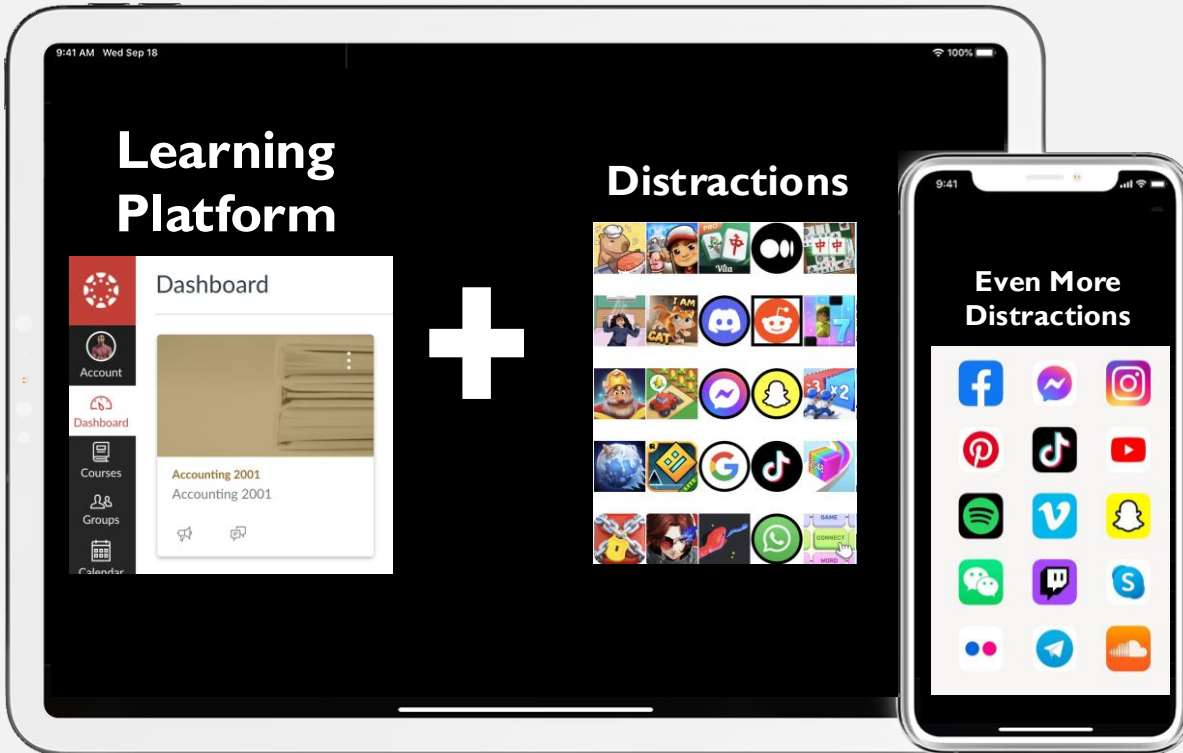
SUMMARY

Problem:

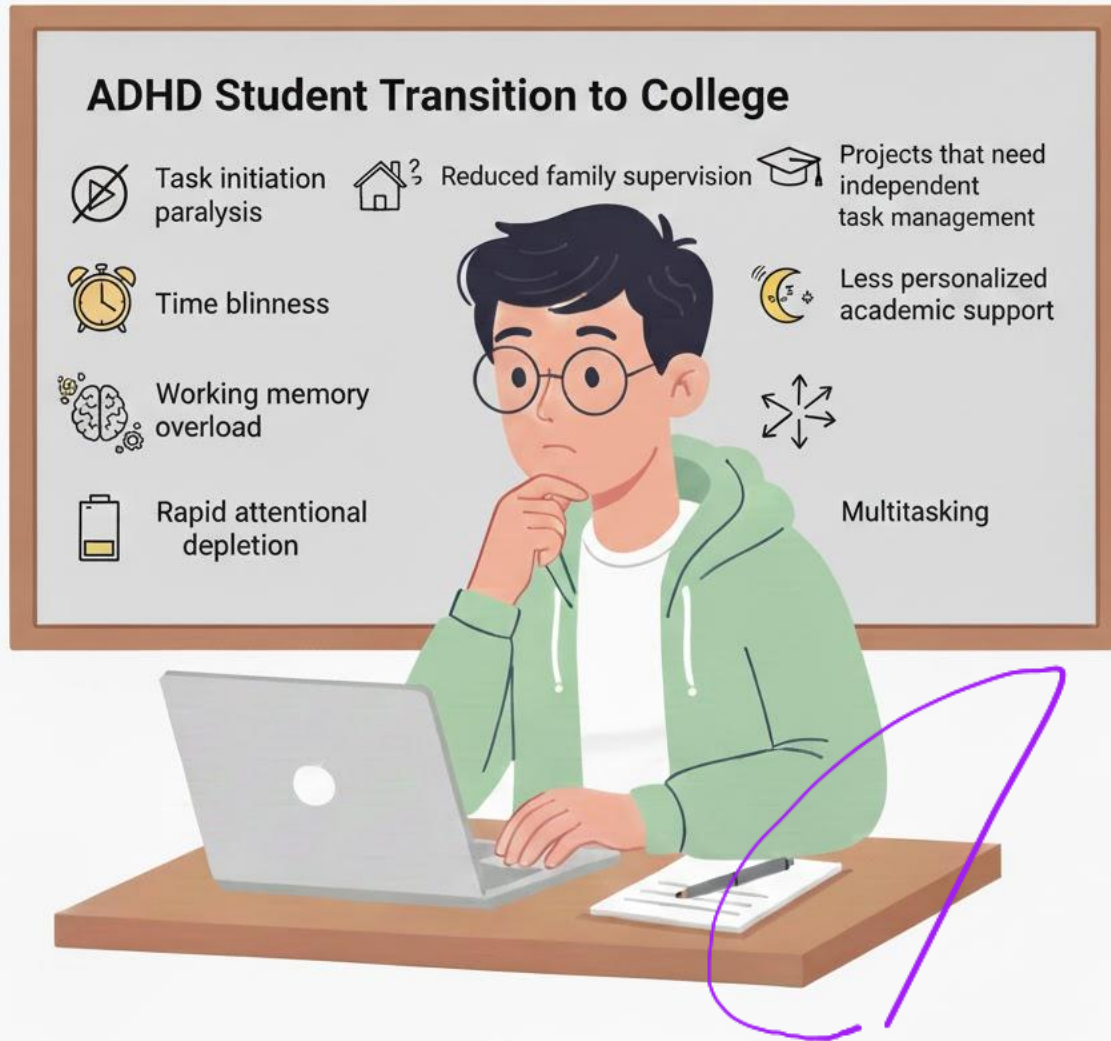
- Low-effort, high-stimulation escape hatches from school tasks
- Reinforcement of avoidance cycles
- Worsening executive function under huge cognitive load

Reclaim Attention Solution:

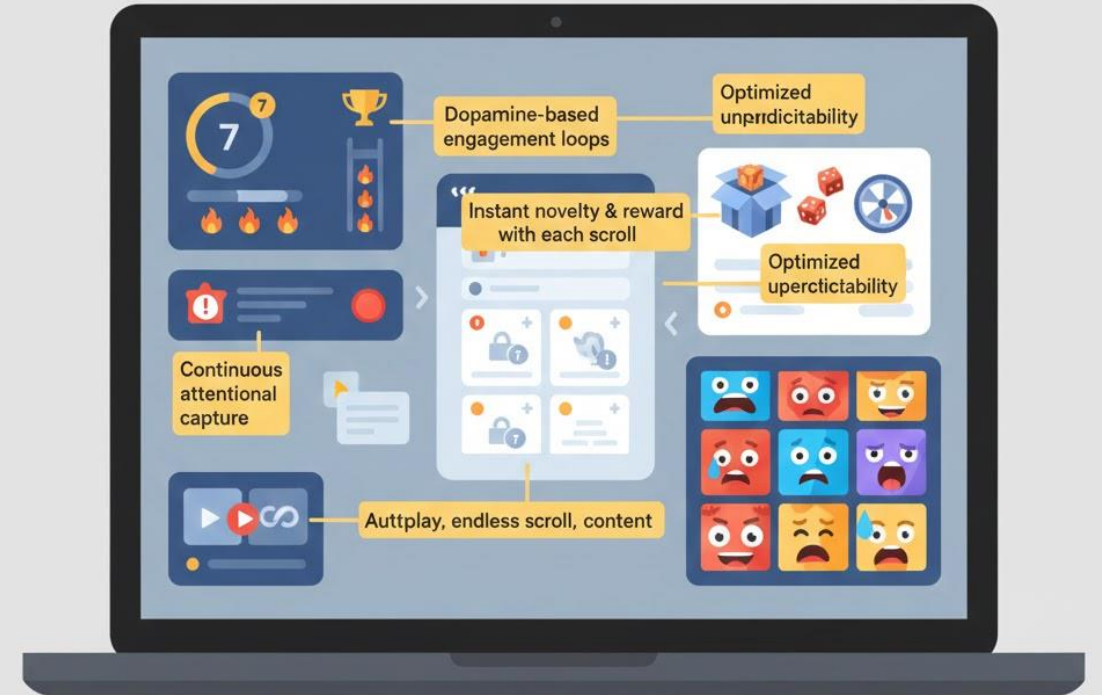
- Personalized Scaffolding for Self-Regulated Learning
- Task decomposition and active tracking
- Community/environment and external accountability



PROBLEM AND TARGET AUDIENCE



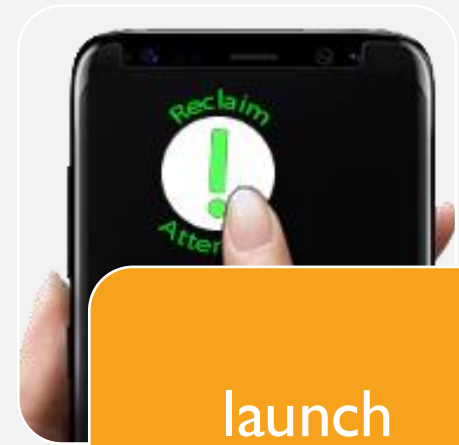
ADHD Student



Attention Economy



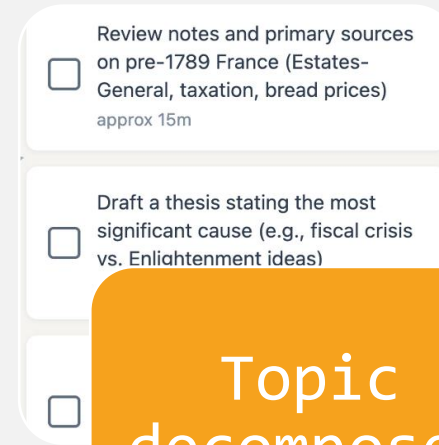
PROPOSED SOLUTION



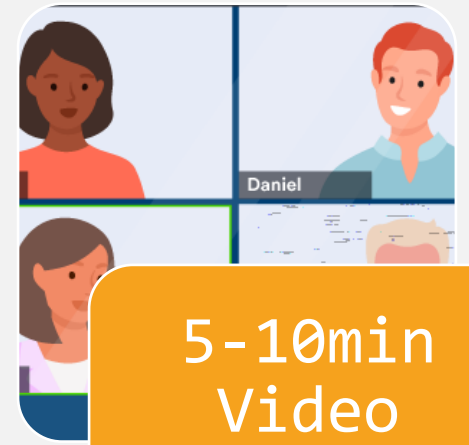
launch
reclaim-
attention app



Student
enters
goal for
the
session



Topic
decomposed
into tasks
using AI



5-10min
Video
conference
with Peer
Pod

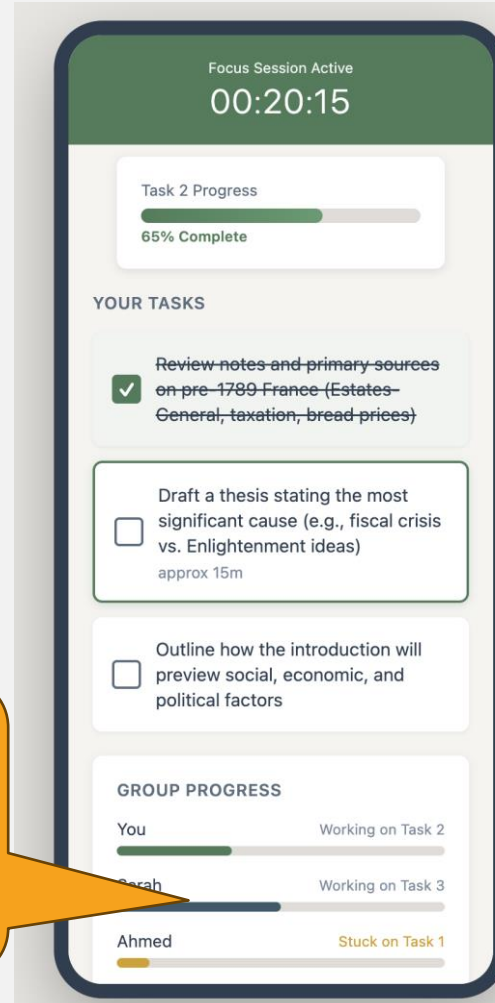
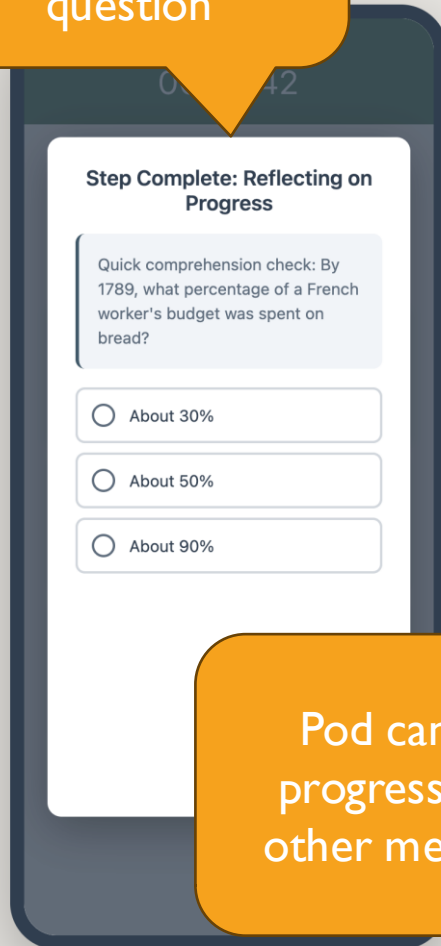
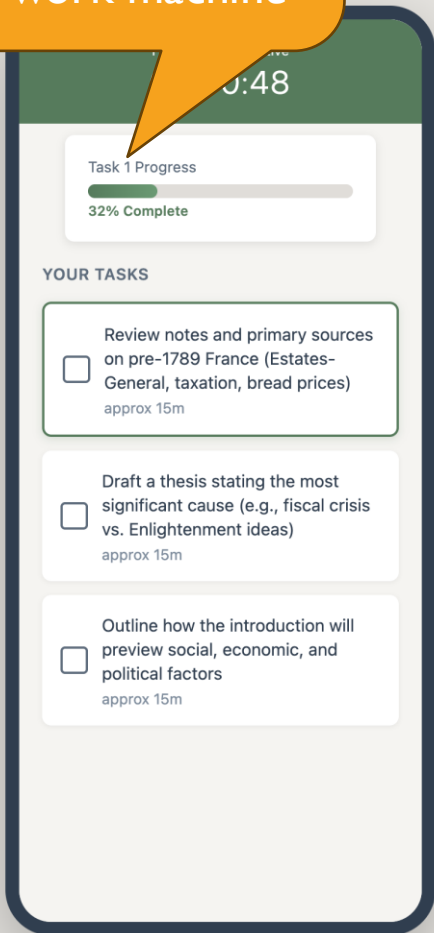
PROPOSED SOLUTION

Student progress is estimated by screen snapshots of work machine

Marking a step complete brings up a confirmation question

Session ends with a short video conference

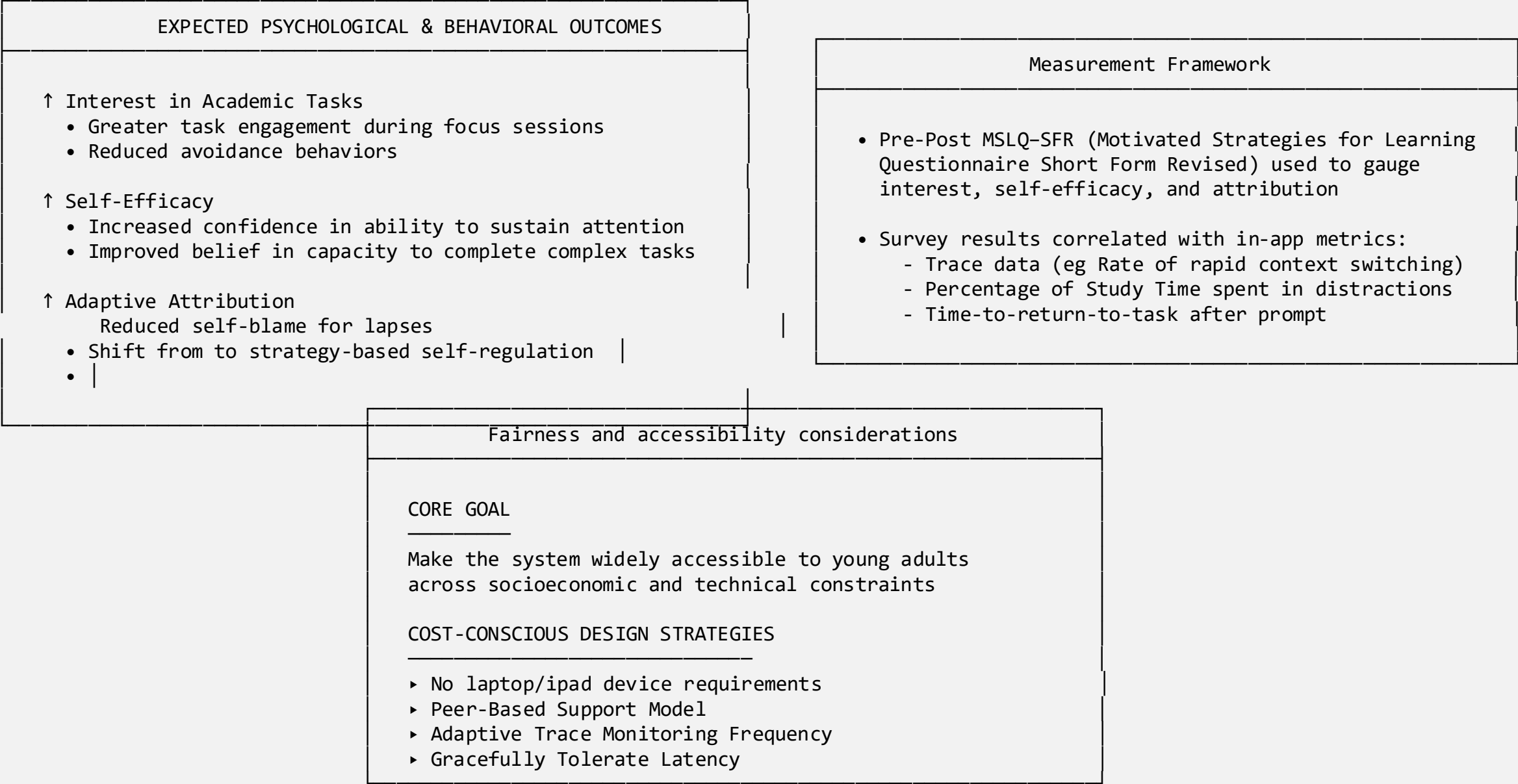
Pod can see progress of all other members



CONNECTION TO LEARNING SCIENCE AND RESEARCH

Study	Summary of Findings	Design Implications
<u>Personalized, Analytics-Based Scaffolding</u> (<i>Lim et al., 2023</i>)	Real-time, data-driven scaffolds significantly outperform generic interventions. Students receiving adaptive, analytics-based prompts engaged in more Self-Regulated Learning (SRL) behaviors.	Reclaim Attention replaces "dumb" blockers with AI that detects specific behaviors (e.g., task switching) and delivers contextual prompts, training attention regulation rather than merely suppressing distraction.
<u>Barkley's Executive Function Model</u> (<i>ADHD as Performance Disorder</i>)	Barkley frames ADHD as a deficit in performance at the moment of action, not lack of skill. Effective interventions must be "prosthetic," operating at the point of use to support real-time decision-making.	By using real-time screen analysis and AI inference, Reclaim Attention functions as an external executive system, offloading response selection and sustaining goal alignment when the student's internal control fails.
<u>Self-Determination Theory (SDT)</u> (<i>Ryan & Deci, 2020</i>)	Traditional blockers rely on external regulation (punishment/reward), which SDT predicts leads to short-term compliance rather than internalized motivation. Autonomy support is essential for behavior change.	Reclaim Attention uses autonomy-supportive, metacognitive questions instead of coercive commands, fostering identified regulation—students choose to re-align behavior with their goals rather than being forced.
<u>AI Scaffolding Without Dependency</u> (<i>Lim et al., 2023</i>)	The "Friend vs. Enemy" paradox of GenAI in education: AI tools can support learning but may also create dependency if not carefully designed. Effective scaffolding must fade as competence develops.	Reclaim Attention implements fading scaffolds: AI prompts decrease as self-regulation stabilizes, ensuring transfer of control back to the learner and preventing learned helplessness.

EXPECTED OUTCOMES AND HOW RESULTS WILL BE MEASURED



2026 TIMELINE + MILESTONES

	2026								2027				
	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
Pilot1	<div>Summer 2026</div>												
Pilot2	<div>Fall 2026</div>												
Pilot3	<div>Winter 2027</div>												

•PILOT 1: In-Person Proof of Concept

- **Structure:** 1 Pod with 3 students and 1 facilitator.
- **Setting:** Students and facilitator are physically present in the same location.
- **Technology Scope:** The "Reclaim Attention" app functions as a utility for **task decomposition** and **basic task tracking** only. The facilitator manually manages group cohesion.

•PILOT 2: Hybrid Blended Model

- **Structure:** 3 Pods with 2-3 students each and 2 facilitators.
- **Setting:** Blended environment (mix of in-person and remote participants).
- **Technology Scope:** The app introduces **group formation** features, allowing remote users to "join" a digital table. Facilitators test the "Pod Manager" dashboard.

•PILOT 3: Scaled Remote Deployment

- **Structure:** 5 Pods with 2-3 students each and 2 facilitators.
- **Setting:** Fully remote or distributed hybrid.
- **Technology Scope:** Full feature set active, including automated AI nudges and context awareness. Facilitators move to a supervisory role, handling only escalations.

TEAM BIOS

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BUDGET SUMMARY, FUNDING REQUESTED AND INTENDED USE

Execution of Field Trials					
Phase	Num of Pods	Students	Facilitator Cost (\$60/session)	Student Cost (\$10/session)	Subtotal
Pilot 1	1	3	\$3k	\$1.5k	\$4.5k
Pilot 2	2	6	\$6k	\$3k	\$9k
Pilot 3	3	9	\$9k	\$4.5k	\$13.5k
Total					\$27k

Tool Features	Estimated Hours	Estimated Cost (USD)
Build session start/end, timing, and flow enforcement	90	\$5.4k
AI-driven breakdown of student goals into actionable tasks	40	\$2.4k
Basic heuristics to infer progress from screen captures	50	\$3.0k
Real-time pod presence and shared progress indicators	45	\$2.7k
Integrate pre- and post-session video calls using existing APIs	25	\$1.5k
Basic sensitive-data redaction and privacy controls	25	\$1.5k
System testing across OS, browsers, and failure modes	30	\$1.8k
Total		\$18.3k