

REAH

Understanding every voice spoken, signed and digital

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About

REAH

- **REAH** is the word hear with the letters spelt backwards
- **Understanding every voice signed, spoken and digital**
- Develop **digital solutions** to drive **inclusion** in a world rapidly transforming
- Focus areas **communication, education, financial services, and passenger experience**

Digital Inclusion

UN Definition: “equitable, meaningful, and safe access to use, lead, and **design of digital technologies, services, and associated opportunities for everyone, everywhere**”.



Accessibility:

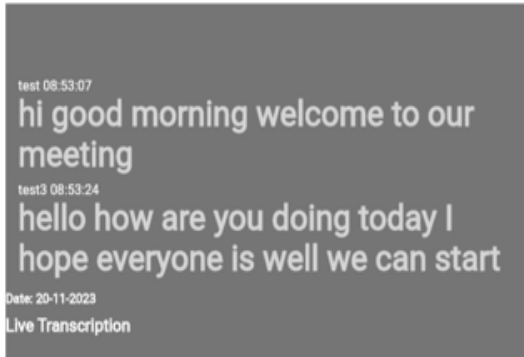
Ensuring digital products and services are usable by people with disabilities

Inclusive Design:

Designing digital products and services with the needs of diverse users in mind

REAH Use Cases

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AI SASL-Text/Speech

- Instant access to information
- No booking
- SASL-Speech-Text-Voice



AI-SASL Powered ATM

- Enables Banking clients to opt for SASL
- Complete a transaction (ATM)



Education and Games

- Digital SASL-based games
- Educational Content

Universal Knowledge



- **UN SDG** promotes **lifelong learning** and **quality education**
 - Access to quality early childhood development (ECD),
 - Equitable and quality primary and secondary education
- **58.4/787 million children** of primary school age children **do not** go to school
- **Access to basic Education** remains a **challenge**

Max Roser, 2021 | United Nations, 2015

Education in South Africa

- **Quality education** and **meaningful participation** in society
- Access to education - **limited** educational **resources**
- **40%** of students **do not** making it to **matric** (2019 – 2021)
- **10%** of learners **living with disabilities not enrolled** in school
- **600,000** use **SASL** faced with **educational barriers**
- **Equal education means inclusive education**

BusinessTech, 2023 | SA Government News Agency, 2024

Evolving SASL Learning

Inclusion Blockers

- No access to school content outside classroom
- Educated in English not SASL
- No digital literacy
- Limited access to digital infrastructure

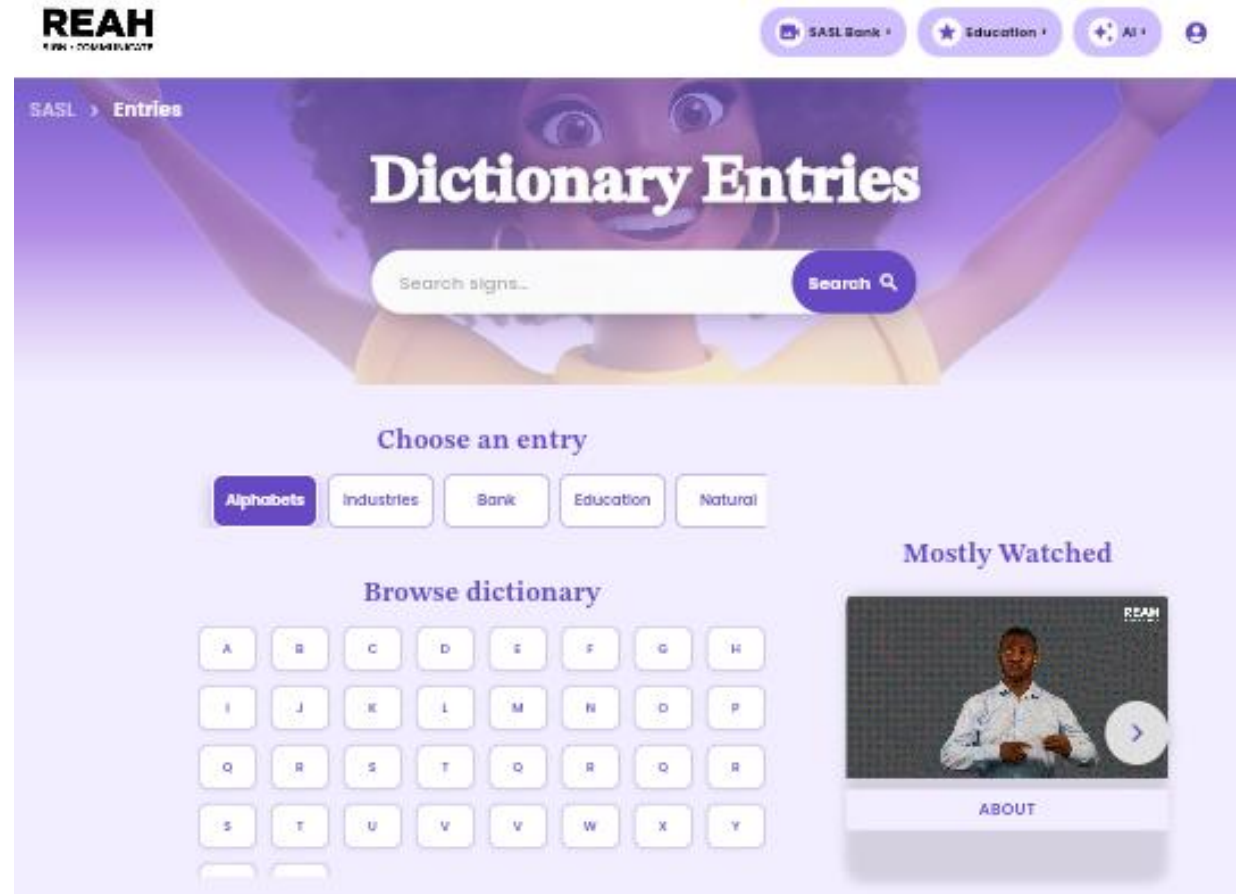


Effective interventions for SASL education

- Personalized education platform
 - Accessibility
 - Digitalize SASL
- Supporting digital infrastructure
- Connectivity
- Enabling and interactive environment
- Digital literacy for SASL learners and Teacher

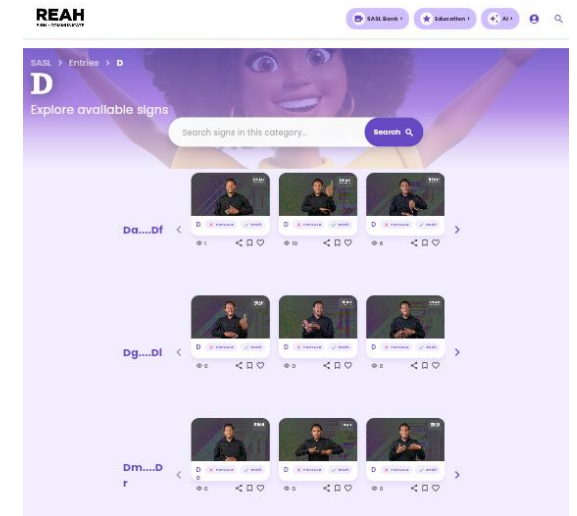
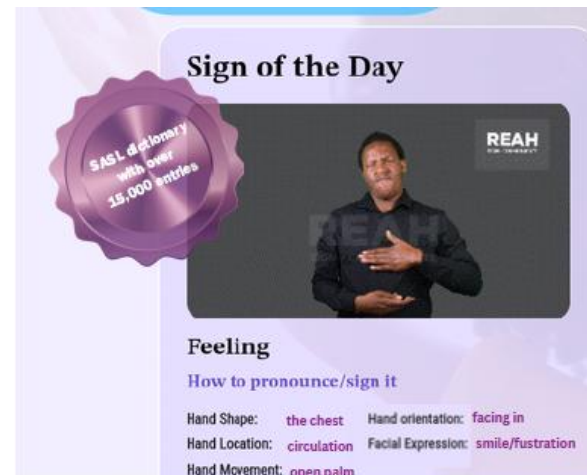
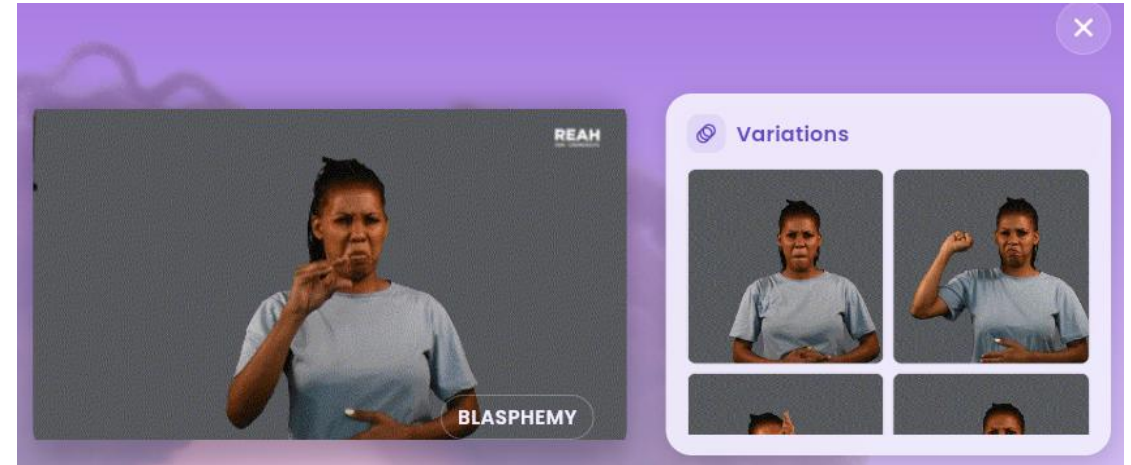
1. SASL Bank

Discover and Learn
anything in SASL

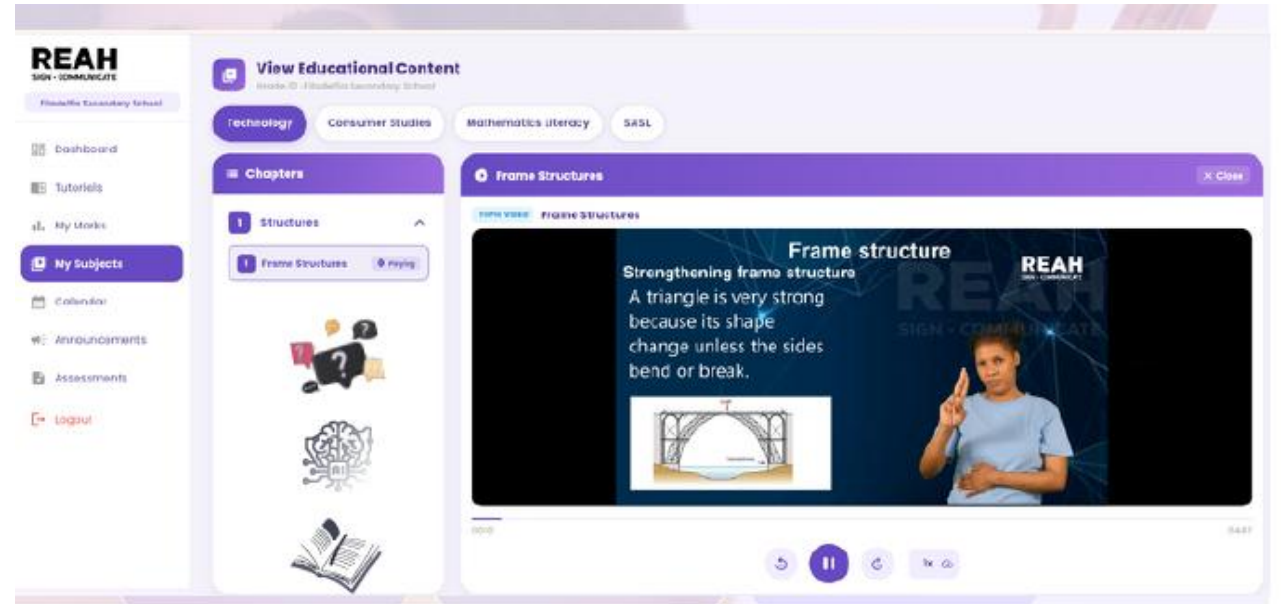


Dictionary entries

- Over **15 000 entries**
- **Classifiers**, meaning and use
- **Variations** and regional signs

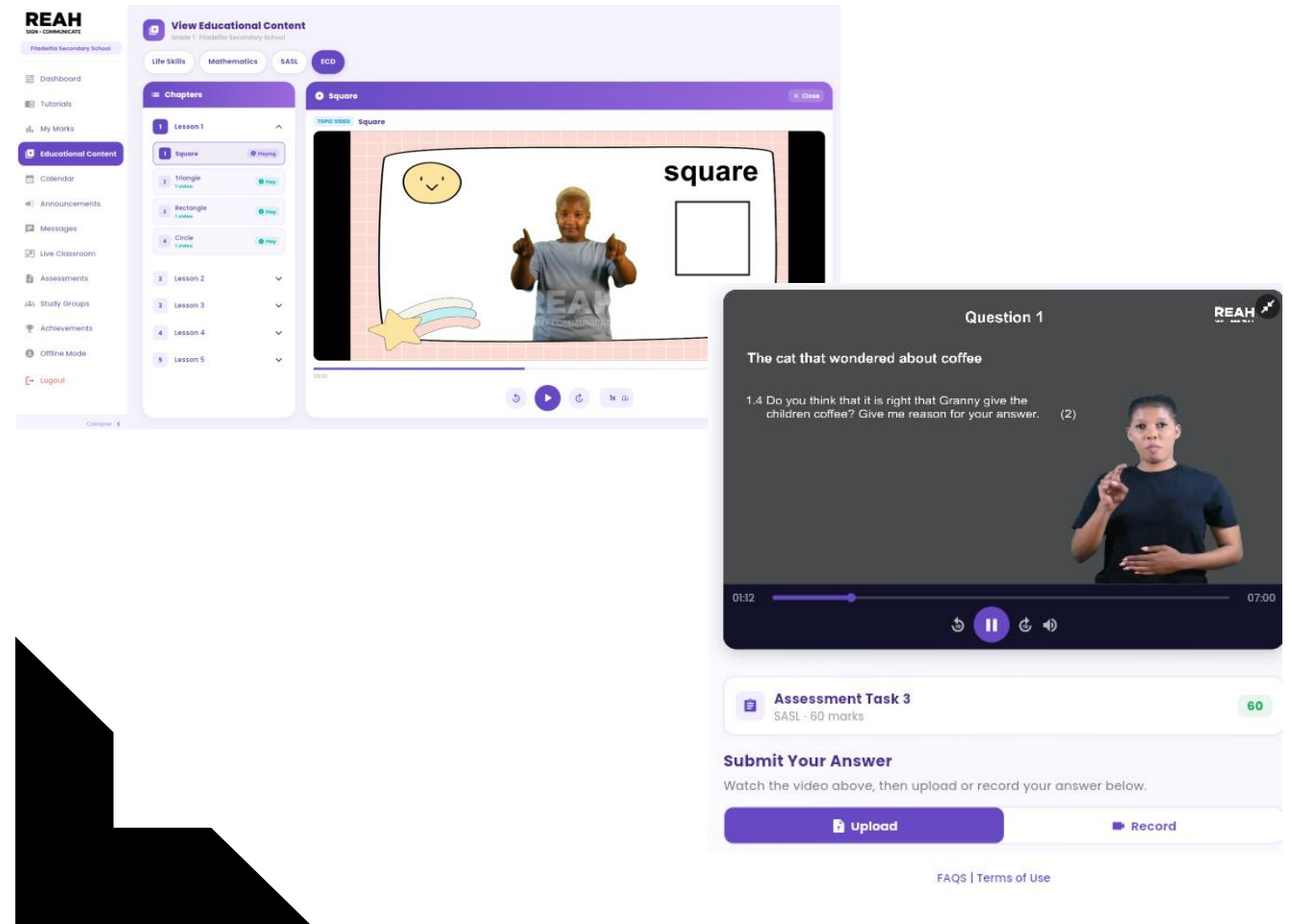


2. Educational Content



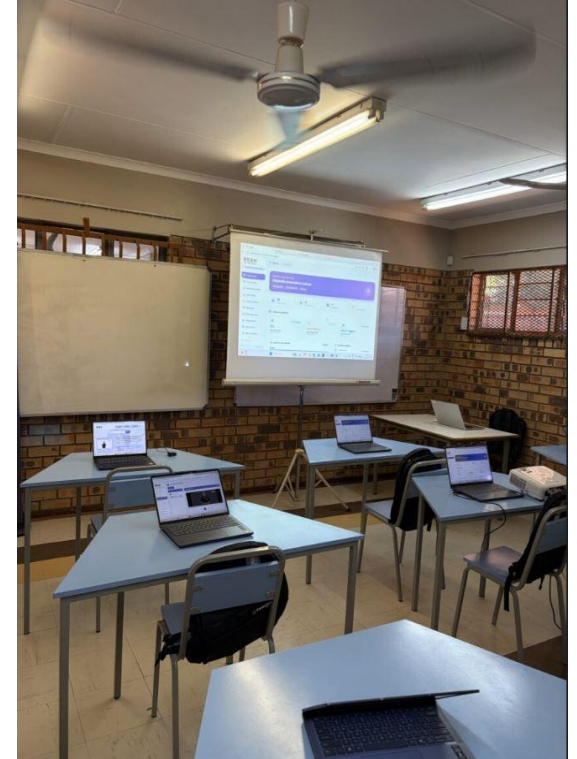
Personalised Education Content

- **Digitalise SASL educational content**
- Access **SASL-tutorials**
- Video recording to **complete assessment in SASL**
- **SASL-based learning platform**



REAH education rollout plans

- deployment at **2 schools for the Deaf**
- planning to expand the rollout to the remaining **45+ Schools (2026-28)**



Thank you

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