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Presentation on Formative Assessment App – Tangerine:Teach (BaalooApp) in Kyrgyzstan

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Presentation includes:

1. Introduction to Tangerine:Teach
2. Tangerine:Teach Objectives
3. Tangerine:Teach Content (tools)
4. Tangerine:Teach – How It Works
5. Pilot Results
6. Conclusion

What is Tangerine?

- Tangerine™ is open source electronic data collection software designed for use on mobile devices, including Android tablets and smartphones.
- Originally designed to support recording of students' responses in oral early grade reading and mathematics skills assessments.
- Developed into a comprehensive data collection, formative assessment and teacher support platform.
- Instruments and assessments can be customized using a simple editor.
- Tangerine has been used in more than 60 different countries and 100 languages by over 80 organizations.



Used in large-scale, anonymized assessments and surveys.



Used in-class by teachers or support staff to track individual learning over time.



Used by coaches during school support visits.



Longer assessments and surveys, administered by data collection teams.



Shorter assessments conducted throughout the school term.



Rapid assessments, surveys, and classroom observations repeated during each support visit.



Results are synchronized to Tangerine's server and analyzed in aggregate.



Results are stored on each tablet and accessible in simple graphs and tables.



Results are used offline for immediate teacher feedback and online for progress reports.

Tangering:Teach (BaalooApp) - is a tool to conduct formative assessments in the classroom and collect evidence of student learning to inform and improve teaching.



Why Use BaalooApp:

Okuu Keremet is researching the use of Tangerine:Teach (BaalooApp) in Kyrgyzstan as an approach to help teachers:

- provide individualized descriptive and actionable formative assessment **feedback** to students;
- regularly **reflect** on their instruction; and
- **adapt instruction** based on evidence, e.g., grouping, materials, pacing within lesson and over course of a unit;

....with the aim to sustainably **improve student learning outcomes**.

Aspects of Using BaalooApp:

I.Student's assessment

- 17 tools to assess basic reading skills to use during the school year

2.Feedback

- To student
- To teacher

3.Teaching & learning improvements

- Using recommended teaching strategies
- Readings
- Parents support


How We Suggest Assessing Reading Skills

Grade	Reading skills	Tools
1	Phonological awareness	Initial sound identification
1	Letter Knowledge	Initial letter identification
1	Decoding	Familiar words reading
1	Oral Reading Fluency	Oral Reading Fluency
1	Oral Reading Fluency	Oral Reading Fluency
2	Decoding	Reading of nonsense words
2	Vocabulary	Close test
2	Oral Reading Fluency	Oral Reading Fluency
2	Reading Comprehension	Story Map
3	Vocabulary	Finding synonyms
3	Vocabulary	Close test
3	Oral Reading Fluency	Oral Reading Fluency
3	Reading Comprehension	Story Map
4	Vocabulary	Finding synonyms
4	Vocabulary	Finding antonyms
4	Reading Comprehension	Story map
4	Reading Comprehension	Storyline

Example of Tool: Initial Sound Identification (I grade)

Навык: Определение звука
Фамилия, имя _____

Дата: _____ Балл: ____/7

Пример				
1				
2				
3				
4				
5				
6				
7				

Formative assessment – aimed to **inform teachers** about the *level at which students are in the process of **achieving a particular learning outcome***; where they are **struggling**; and, accordingly, *what **next steps** should be taken by the teacher*, how to **adjust the instruction**, and make changes in planning (*State Standard of Secondary Education of Kyrgyz Republic*).

“Feedback is information that closes the gap between current and desired learning” (adapted from Hattie & Clarke, 2019; Sadler, 1989)

Feedback

Feedback consists of 3 parts: stating the level of student performance, feedback to a student(s), feedback-recommendations to a teacher.

We based on research stated that:

The most valuable feedback helps students to improve (Hattie & Clarke, 2019)

Comments need to include “where next”, so student knows how to improve.

Student feedback provides greatest motivational benefit if focused on (adapted from Crooks, 2001):

- Qualities of the student’s work, not comparing it to that of other children.

- Providing specific strategies to improve.

- Improvements the student has made compared to her/his earlier work.

Feedback for teacher - recommendations on how to adapt teaching based on provided information on student’s achievements and difficulties

Tangerine:Teach – How It Works



tangerine®

LOGIN REGISTER

 Username *

 Password *

 Confirm Password *

 What is your year of birth? *

Tangerine:Teach – How It Works



Add Student

Add Class

1

Select Report

Student Dashboard: 1 - Для 1-го класса на Русском языке

Select SubTask

Фонематическое восп... ▼

Student	Completed?
Ana	<input checked="" type="checkbox"/>
Ben	<input type="checkbox"/>
Carla	<input type="checkbox"/>
Dan	<input type="checkbox"/>
Emma	<input type="checkbox"/>



Фонематическое восприятие

Описание

- ★ Этот тест представляет собой использование 7-ми рядов картинок. Учащимся предлагается выбрать одну картинку, название предмета на которой начинается с того же звука, что и название предмета на первой картинке в этом ряду. Тест проводится в письменном виде для всего класса или для группы учащихся.

Как проводить оценивание

Учитель раздаёт ученикам копии теста и объясняет цель и способ работы:

«Этот небольшой тест проверяет, умеете ли вы определять слова, которые начинаются с одного и того же звука. Посмотрите на первый верхний ряд картинок. На первой картинке нарисовано кольцо. Слово «кольцо» начинается со звука [к]. Вам нужно найти на картинках предмет в этом ряду, название которого начинается с этого же звука. Здесь изображены торт, краски и шляпа. Слово «краски» начинается со звука [к]. [к] – кольцо, [к] – краски. Обведите кружком ту картинку, на которой изображены краски. Это правильный ответ. В каждом ряду вы должны сделать то же самое: проговорите про себя слово, обозначающее предмет на первой картинке, определите, с какого звука оно начинается, и найдите среди трёх остальных картинок ту, название предмета на которой начинается с такого же звука».

Стимульный материал (для учащегося): Картинки см. Модуль 1, стр.16 //Время читать.

★



1.

- ☐ Неверно / нет ответа
☒ Верный

★



2.

- ☒ Неверно / нет ответа
☐ Верный

Tangerine:Teach
– How It Works
Instruction and
“tick-off” responses
page

Tangerine:Teach – How It Works. Reports generation



Add Student

Add Class

1

Select Report

Фонематическое восприятие

Знакомство с алфавитом

Декодирование

...ть чтения - 1-ое полугодие 1 класса

Беглое чтение - 2-ое полугодие



Class grouping

Student Subtest Report

Task Report

Select SubTask

Фонематическ

[Ana](#)

[Ben](#)



Tangerine:Teach – How It Works. Class Grouping Report. Feedback



Select Report

Student Grouping: Letters Unit 1

Students Assessed: 5 / 5

Average Correct: 6 / 8 (75%)

Student Grouping

Student	Score	Percentile	Status
Erica	8 / 8	100 %	Great
Dan	7 / 8	88 %	Great
Carla	6 / 8	75 %	Good
Ben	5 / 8	63 %	Good
Anna	4 / 8	50 %	Mediocre

Feedback

40%-59% Percentile

These students showed a moderate result in identification of the initial sound in words. Tell them the following: "In some cases, you were able to correctly find the same sounds at the beginning of the words from the proposed pictures, but in some cases, you made mistakes in identification of the words that start with the same sound, and you were very slowly. Try to read aloud tongue twisters, poems, counting rhymes and memorize them. If you practice, you will quickly and correctly identify the sounds." With these students, practice the exercises similar to those suggested in the test and repeat the test in a week. During the week, use the strategy "Find the right word 1, 2" and "Budán-Gudán" from Module 1 (see the section "Sample exercises for the development of phonological awareness ", page 24.) of the project "Time to Read" during the lessons.

- **First pilot-user test**
- 2 schools, 4 primary grade teachers
- Being tested – primary grade students (1-4)
- Language of instruction- Russian
- Period of time: March 9-23, 2021
- **Pilot 2**
- Total piloted school: 12
- Participants- 24 primary grade teachers
- Being tested – primary grade students (1-4)
- Language of instruction- Russian
- Period of time (piloting): April 17- May 19, 2021
- **Country – wide implementation (1687 target schools, 13 500 teachers)**
- Teacher training (October, 2021)
- School administration training (November, 2021)
- Mentoring support
- Monitoring of usage

Piloting and further BaalooApp



How do you think, will the use of BaalooApp affect teachers' teaching practices and students' reading skills?

- “I find BaalooApp useful for the teachers to use quality feedback and guidance for the students and to plan their lessons”.
- “It allows the teachers to track the progress of students towards their learning goals and helps the teacher to adjust the educational process at the early stages”.
- "Teachers will be able to conduct interesting lessons, create a positive climate in the class and develop interest in reading".
- “The feedback helped me in choosing strategies for teaching Russian language and Reading”.
- “Recommendations were useful, saved time and showed how to work tactfully and correctly“.
- “This approach helps me to eliminate difficulties in knowledge, increase learning motivation and independent students` work, individualize the learning process”.

Conclusion

- BaalooApp is a tool to conduct continuous, formative assessments in the classroom and collect evidence of student learning in real time. Create profiles of individual students and track their progress over time, saving time on scoring and analyzing, employing simple charts and graphs that make results easy to understand.
- BaalooApp helps teachers to understand student progress and mastery of reading and mathematics through customized curriculum-based checks. Through rapid assessments administered throughout the school term, teachers can determine when and where to refocus instructional time, adapting their instruction to address the range of student needs.
- Regular use of BaalooApp and following the recommendations will allow the teacher to differentiate teaching\learning process that meet students where they are and supports improved achievement.
- Technology can play an important role in the classroom, supporting teachers to improve teaching instruction and planning. It is not the technology itself that drives increased formative assessment practice. Use of technology for formative assessment depends on teachers already understanding and using formative assessment in their classrooms.

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- BaalooApp was developed on the base of the Tangerine (RTI International) Program. Developers: Khamzina S.A., Yusupova A.D., Omuraliev T.Zh., Torogeldieva B.A.

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