



Clear evidence, better decisions, more learning.



Hybrid learning

International experiences with
multimodal approaches

July 2022

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About this document

Recommended citation

Villavicencio, X., & Coflan, C. (2022). *Hybrid learning International experiences with multimodal approaches* [Helpdesk Response]. EdTech Hub. <https://doi.org/10.53832/edtechhub.0112>. Available at <https://docs.edtechhub.org/lib/C2SK9SF9> Available under [Creative Commons Attribution 4.0 International](#).

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Notes

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Acknowledgement

This report was commissioned by UNICEF and produced under UNICEF and EdTech Hub's global partnership. Many thanks to UNICEF El Salvador colleagues, including Marta Navarro, Marta Isabel Gomez and Jaime Ayala for their support and input to develop this report.

About the EdTech Hub Helpdesk

The Helpdesk is the Hub's rapid response service, available to FCDO advisers and World Bank staff in 70 low- and lower-middle-income countries (LMICs) and UNICEF regional and country offices. It delivers just-in-time services to support education technology planning and decision-making. We respond to most requests in 1–15 business days. Given the rapid nature of requests, we aim to produce comprehensive and evidence-based quality outputs, while acknowledging that our work is by no means exhaustive. For more information, please visit <https://edtechhub.org/edtech-hub-helpdesk/>

Agenda

1. Introduction
2. Presentation: Hybrid learning and international experiences with a multimodal approach
3. Questions
4. Interactive session: group discussions
5. Group presentations
6. Closing

Introduction

This slide deck was originally developed for a webinar series on blended and hybrid learning for UNICEF El Salvador and the El Salvador Ministry of Education. It was informed by findings and insights from the EdTech Hub report, *Blended and Hybrid Learning Initiatives: A curated list for El Salvador*. A spanish version of this material is also available and can be accessed [here](#).

Presentations

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Clear evidence, better decisions, more learning.



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DE EDUCACIÓN



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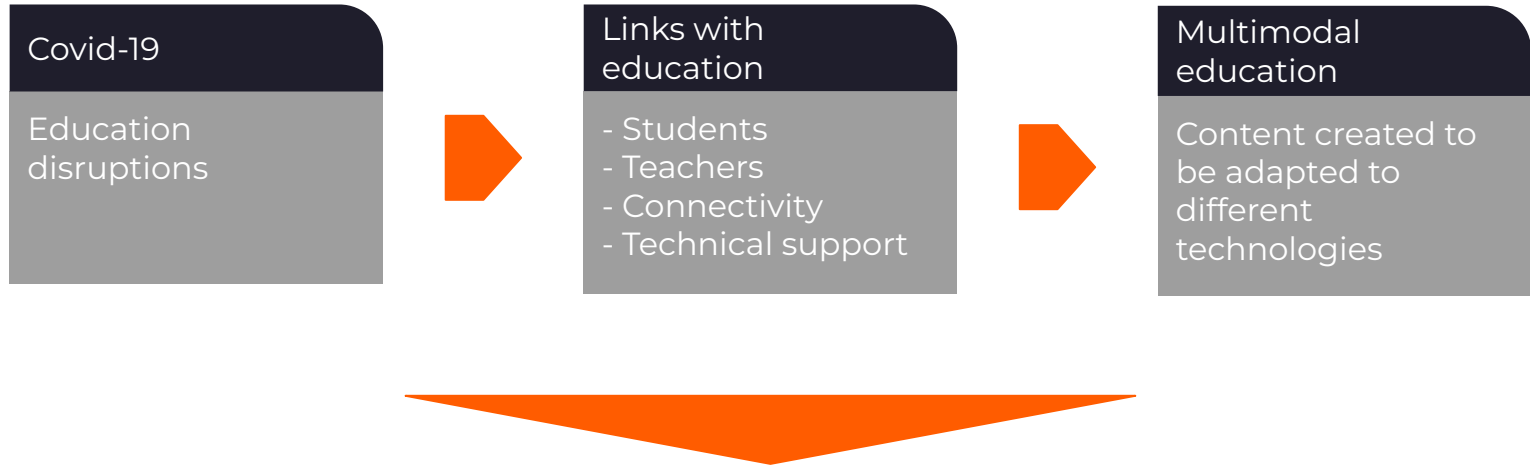


Xuzel Villavicencio
EdTech Hub Analyst

Today's Purpose

- Understand the characteristics and differences between blended and hybrid learning
- Understand the socio-emotional aspect in the use of technology-based learning
- Learn about the different EdTech tools used in El Salvador
- Learn about effective practices for implementing hybrid learning

Why is it important to learn about blended and hybrid learning in El Salvador?



Strengthen teaching methods to help teachers become more comfortable using various technological tools and platforms

Features of blended and hybrid learning

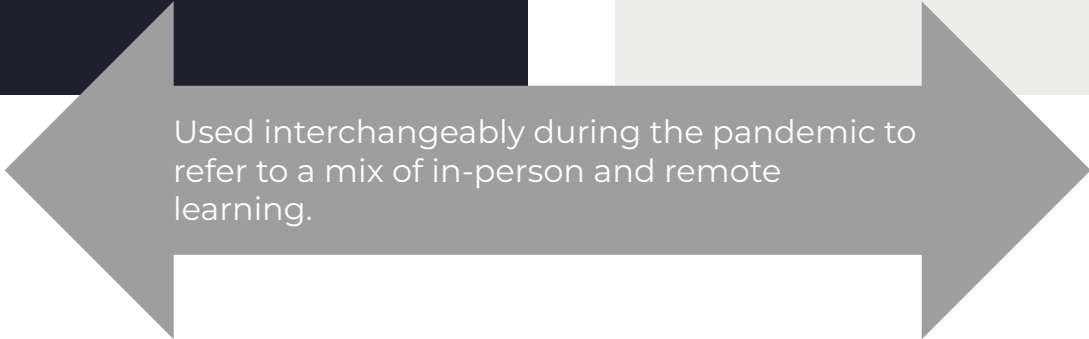
Terminology

Blended Learning

- A combination of in-person and digital learning
- Historically taught as part of a physical experience in a classroom

Hybrid Learning

- Involves the combination of in-person learning and remote learning
- It is not necessarily taught in a traditional classroom

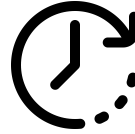


Used interchangeably during the pandemic to refer to a mix of in-person and remote learning.

Features of hybrid learning

■ Synchronous vs asynchronous activities

- **Synchronous:** occur “in real time”



- **Asynchronous:** occur at different times and / or sequentially



■ Face-to-face / in-person vs remote activities

- **Face-to-face / in-person:** occur with students and teachers in the same physical space



- **Remote:** occur when two or more people are in different locations physically



Features of hybrid learning

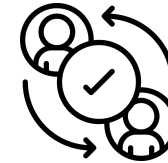
Direction of communication — the communication flow in hybrid learning can be varied and includes:

One-way		Unidirectional communication in which teachers deliver lesson content without opportunity for students to reciprocate
Bi-directional		Typically takes place when the teacher communicates to the student (as the first direction) and the student communicates back to the teacher (second direction)
Multi-directional		Occurs when teachers communicate with students, and students communicate with teachers and their peers

Features of hybrid learning

Level of participation — hybrid learning can be typified by three types of participation:

- **No participation:** a learning situation in which an individual learns alone without interacting with others
- **Limited participation:** a learning situation in which interaction is limited, structured, or controlled
- **High participation:** a situation in which active and dynamic exchange with others is prioritised



Challenges and opportunities of hybrid learning

Balance between remote and face-to-face classes

There is no approach that applies to all contexts

Teachers are best positioned to understand the limitations of each context



There are various technologies, tools, and types of hybrid learning

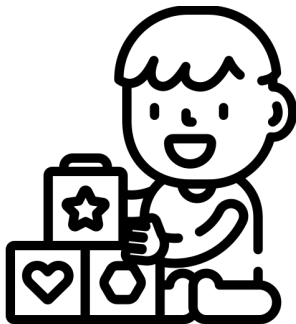
Empower teachers to choose the best hybrid learning alternative

Technology and the early years of school

Emotional well-being

Support caregivers and / or teachers in the use of technological tools, **and** in the promotion of emotional well-being

Use various technologies for different kinds of activities



Game-based learning can include using and supporting:

- Exploration
- Decision-making
- Peer interaction
- Resources and materials that are already at home

Technology and social-emotional learning

Social-emotional Learning (SEL): Is the process of acquiring and applying knowledge, attitudes, and skills that allow people to perform optimally in educational and professional fields.

Intended Outcomes of SEL

- Increased capacity to manage emotions
- Development of healthy identities
- Developed sense of empathy
- Form and maintain supportive relationships
- Define and achieve personal goals
- Make responsible decisions

Technology and SEL

- Integrated SEL in technology-enabled programmes that focus on numeracy and literacy skills
- Technology embedded in programmes that focus on promoting SEL.

Technology and social-emotional learning

Benefits of incorporating digital tools into SEL

It makes content more accessible and supports game-based learning.

It opens new possibilities for engaging students, parents and teachers.

It provides a less intimidating virtual space in which to practise prosocial behaviours.

Connectivity in El Salvador

ICT Infrastructure and connectivity in El Salvador



Fixed subscriptions



13.84%



8.07%



43%



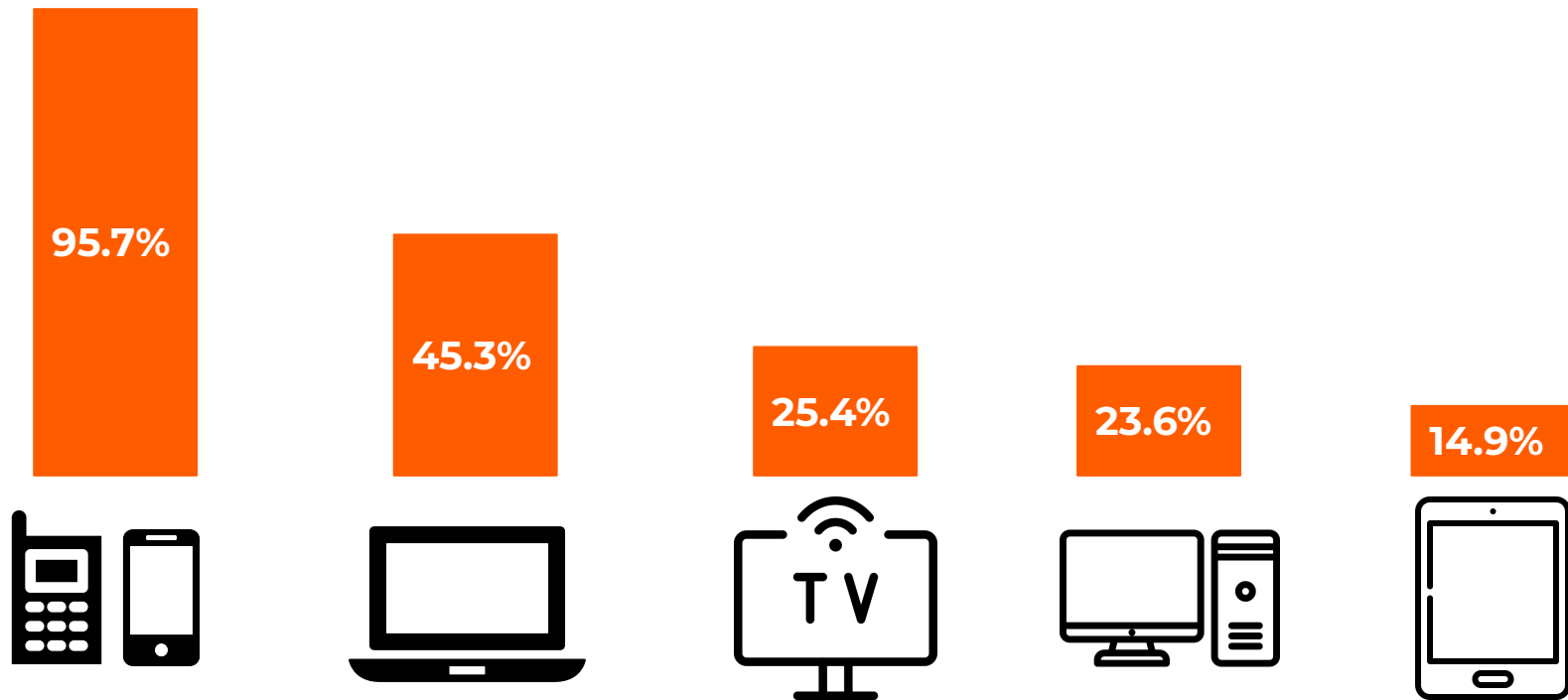
Broadband

Mobile subscriptions



161%

ICT Infrastructure and connectivity in El Salvador



Devices used to access the internet

ICT infrastructure and connectivity in El Salvador during the Covid-19 pandemic



90.5%

85.2%

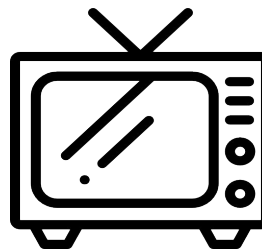


69.9%

60.8%



Social media used during the pandemic



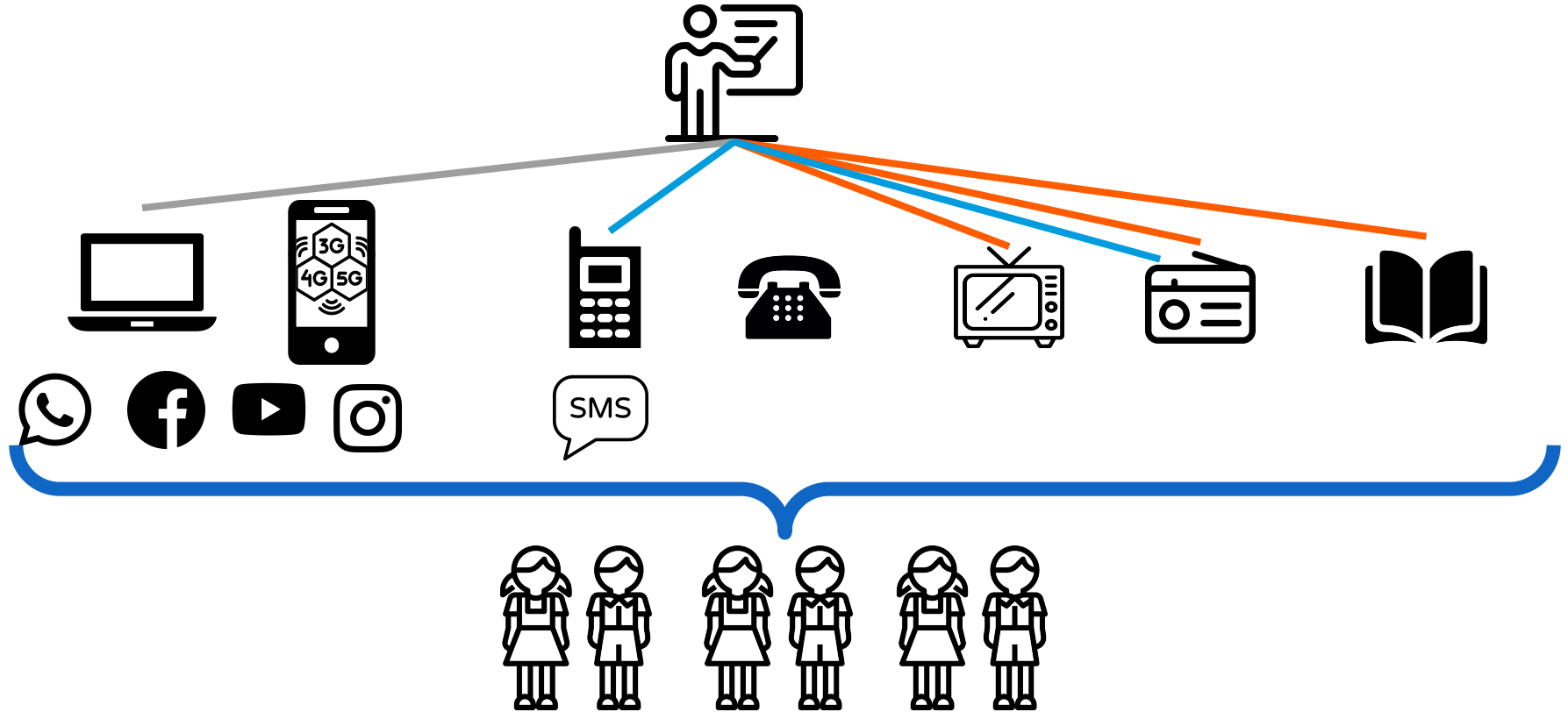
43%



63%

Consumption of TV and radio during the pandemic

This means hybrid learning in El Salvador should not only include online tools, but use **multiple technology modalities** to reach as many students as possible.



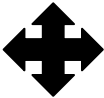
Examples of hybrid learning

Insights for policymakers and educators

Examples of hybrid learning

How we selected them:

- Focus on **pre-primary and primary** education
- Highlight effective blended / hybrid learning practices
- Pay special attention to **how educators adapt** to and implement multimodal learning
- Consider **multimodal approaches**, particularly low-tech interventions (TV and radio)
- Originate from countries with **varying levels of access to ICT devices**
- Use 'Google Classrooms'

Name and Link	<u>Plan Ceibal</u>	<u>Rising on Air</u>	<u>Education Media Center</u>
Location	Uruguay	West Africa	Brazil
Education Level	Primary and Secondary	Primary and Secondary	Pre-primary, Primary and Secondary
Modality	Laptops, radio, television (TV)	Radio, mobile phones (SMS)	Smartphones, TV, printed textbooks
Characteristics	  	   	   

Plan Ceibal

Description: Plan Ceibal helped provide education continuity during the Covid-19 pandemic by combining teaching through television, radio, and online resources in its programme 'Ceibal en casa'

Insights for policymakers

- Ensure communities (caregivers, teachers, students, education leaders) are engaged / involved in the process of including technology in education
- Develop new requirements for teachers, students, and families
- Cultivate spaces (physical & virtual) for knowledge sharing to encourage cultural shifts in education systems
- Use a multimodal approach for greater accessibility
- Diversify evaluation and monitoring

Raise
awareness

Plan Ceibal

Insights for educators

- Plan Ceibal is part of Red REA (Recursos educativos abiertos) and offers a platform to guide teachers in creating their own content
- Review content and resources created by other teachers
- Combine resources from differentes sources and adapt them to the needs of each teacher
- Reuse already existing resources
- Redistribute and share resources with other teachers

Collaborate

Plan Ceibal



Rising on Air

Description: A network of schools that use blended learning approaches, combining low-cost technology with modern teaching practices. They created a programme (Rising on Air) in response to school closures, which uses radio and SMS content for parents.

Insights for policymakers

- Focus on foundational literacy and numeracy skills to promote access and equity
- Covering too many subjects / grade levels drives up the cost of developing content
- Radio alone is unlikely to be effective. Consider other supplemental strategies
- A range of distribution channels should be considered

Focus

Diversify

Rising on Air

Insights for educators

- Use existing content and supplement from additional sources
- Develop and test content to determine what works for your audience.
- Monitor your progress weekly to allow for course correction as needed.

Test and
course
correct

Rising on Air



Education Media Center

Description: Produces app-based educational content, broadcasts educational classes on public TV, and provides printed textbooks for students in low-resource settings.

Insights for policymakers

- Strong leadership is key to mobilising resources and rapid implementation
- Stakeholder communication is vital to meet pandemic-driven demands
- Partnerships with companies / non-profit organisations helps avoid bureaucratic procedural delays
- Multimodal learning activities are necessary for reaching the maximum number of students and families
- Developing teacher and student email accounts is important for engaging a large school system

Leadership,
collaboration,
and
coordination

Education Media Center

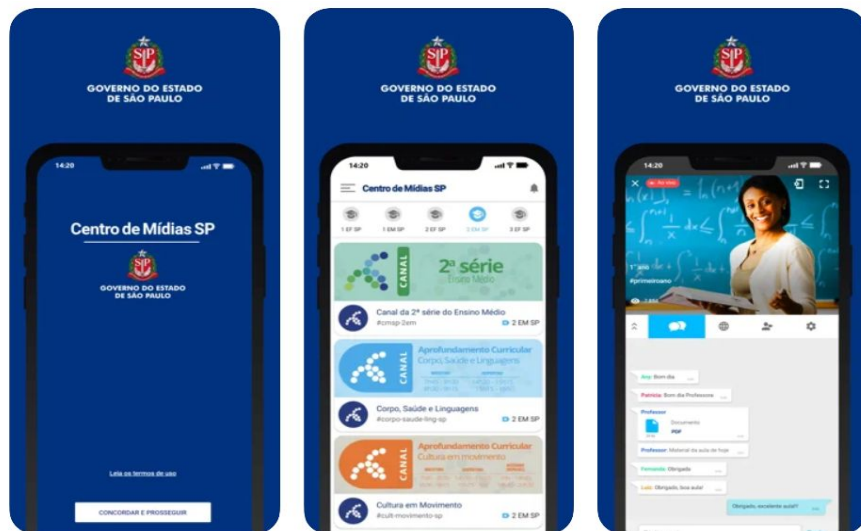
Insights for educators

- A process whereby teachers can report challenges is vital when implementing hybrid learning and when trying to reach students
- Having pedagogical advisors to review teachers' virtual classroom plans is key to giving feedback to teachers before broadcasting a class and to improve the quality of the content.

Seek feedback

Education Media Center

App



Programming Content

25/Abr				
Tipo de Formação	Canal/App	Horário	Área de Conhecimento	Título
Formação - ATPC	Desenvolvimento Profissional 1	08:00-09:00	Temas complementares	A Educação de Jovens e Adultos na Rede Estadual de Ensino
Formação - ATPC	Formação de Professores	08:30-09:15	Ciências da Natureza: Anos Iniciais	Anos Iniciais - Ciências: Que som é esse?
Formação - ATPC	Formação de Professores	09:30-10:15	Temas complementares	Temas Complementares Anos Iniciais: Conviva SP - Rede Protetiva
Formação - ATPC	Formação de Professores	11:30-12:15	Anos Iniciais	Anos Iniciais ING: Multiletramentos
Formação - ATPC	Desenvolvimento Profissional 1	15:00-16:00	Temas complementares	A Educação de Jovens e Adultos na Rede Estadual de Ensino ⚡
Formação - ATPC	Formação de Professores	15:00-15:45	Ciências da Natureza: Anos Iniciais	Anos Iniciais - Ciências: Que som é esse? ⚡
Formação - ATPC	Formação de Professores	15:45-16:30	Temas complementares	Temas Complementares Anos Iniciais: Conviva SP - Rede Protetiva ⚡
Formação - ATPC	Formação de Professores	17:15-18:00	Anos Iniciais	Anos Iniciais ING: Multiletramentos ⚡
Formação - ATPC	Desenvolvimento Profissional 1	20:00-21:00	Temas complementares	A Educação de Jovens e Adultos na Rede Estadual de Ensino ⚡
Formação - Cursos e Percursos	Formação de Práticas Desportivas	08:00-09:04	Temas complementares	Módulo 1 - Basquetebol: características e componentes do jogo.

Takeaways

Takeaways for policymakers

1

Consultation with teachers

Create spaces for teachers to share and transfer effective practices and concerns.

2

Build long-term partnerships

Partnerships between government, private and the third sector (NGOs) could facilitate the implementation of hybrid learning.

3

Ensure accessibility and inclusion

Include students who speak indigenous languages and / or who have a type of disability.

4

Multimodal approach

Consider alternative modalities to bring education as close as possible to those students who are hardest to reach.

5

Regular data collection

Gather, analyse and use data to monitor and evaluate the progress of hybrid learning

Takeaways for educators

1

Create your
own content

2

Adapt and test
content with
the classroom

3

Review your
own and other
teachers'
resources

4

Share your
resources and
concerns

5

Correct
resources as
needed

Thank you

