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The Impact of Teacher Training on Inclusive Digital Education in Overcoming The Coronavirus Crisis

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Content

- **Introduction to Inclusive Digital Education**
- **Introduction to Inclusive Digital Technologies**
- **Teacher's Training Program**
- **Impact of the training**



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Inclusive Digital Education



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Inclusive Education

"Inclusive education allows students of all backgrounds to learn and grow side by side, to the benefit of all."

Inclusive education means that all students attend and are welcomed by schools in age-appropriate, regular classes and are supported to learn, contribute and participate in all aspects of the life of the school. Inclusive education is about ensuring access to quality education for all students by effectively meeting their diverse needs in a way that is responsive, accepting, respectful and supportive. Students participate in the education program in a common learning environment with support to diminish and remove barriers and obstacles that may lead to exclusion.

”إذا كنا نرجو إجلال السلام والازدهار
للجميع، لا بد أن نضمن التعليم للجميع”

صاحبة السمو الشیخة موزا بنت ناصر



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- Inclusive education is about how we develop and design our schools, classrooms, programs and activities so that all students learn and participate together.
- Progress comes slowly. Inclusive systems require changes at all levels of society.
- At the school level, teachers must be trained, buildings must be refurbished, and students must receive accessible learning materials. At the community level, stigma and discrimination must be tackled and individuals need to be educated on the benefit of inclusive education. At the national level, Governments must align laws and policies with the Convention on the Rights of Persons with Disabilities, and regularly collect and analyze data to ensure children are reached with effective services
- To close the education gap for children and specially for children with disabilities, UNICEF suggests to focus the work on four key areas:
 - **Advocacy**
 - **Awareness-raising**
 - **Capacity-building**
 - **Implementation support**



Inclusive classroom strategies

Use a variety of instructional formats

- Start with whole-group instruction and transition to flexible groupings which could be small groups, stations/centers, and paired learning
- Peer-supported learning can be very effective and engaging and take the form of pair-work, cooperative grouping, peer tutoring, and student-led demonstrations.

Ensure access to academic curricular content

- All students need the opportunity to have learning experiences in line with the same learning goals.
- Making sure all students hear instructions, that they do indeed start activities, that all students participate in large group instruction, and that students transition in and out of the classroom at the same time.

Apply universal design for learning

- Include multiple ways of representing content to students and for students to represent learning back, such as modeling, images, objectives and manipulatives, graphic organizers, oral and written responses, and technology.





Research

Many studies over the past three decades have found that students with disabilities have higher achievement and improved skills through inclusive education



Parents

On average, parents were somewhat uncertain if inclusion was a good option for their SWD but the more experience with inclusive education they had, the more positive parents of SWD were about it.



Teachers

Teachers with more experience — and, in the case of teachers, more training with inclusive education — were significantly more positive about it.



Strategies

- Use a variety of instructional formats
- Ensure access to academic curricular content
- Apply universal design for learning

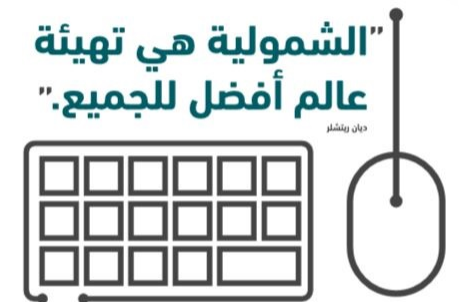


Digital Inclusion

Digital Inclusion refers to the activities necessary to ensure that all individuals and communities, including the most disadvantaged, have access to and use of Information and Communication Technologies (ICTs).

Why? Access and use of information and communication technologies impacts individuals and the community. The technology itself is the tool. A digitally inclusive community is important to economic and workforce development, civic participation, education, healthcare, and public safety

How? Building a digitally inclusive community requires participation and support from all sectors: libraries, community-based organizations, business, government and policy makers. Digital inclusion strategies vary widely.



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For Qatar, Digital Inclusion is the process of reaching out to the Qatar population who are currently lacking in technological and IT skills. The aim is to provide access to basic technologies, and skills to use technology, and in doing so empower the nation.

To facilitate this, a Digital Inclusion Strategy was developed to reach sectors of the community through awareness programs, access, training and support.

Who?



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A closer look at ictQATAR's priority target groups



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Learners with special needs

Learners in Qatar with special needs have a range of learning difficulties and disabilities such as physical disability; visual, speech and hearing impairment and disorders such as autism and dyslexia. The effective use of ICTs can empower them, reduce barriers, and improve the quality of their lives. Learners can use a range of Inclusive Digital Technologies as a support. Ultimately, learners with disabilities should be empowered to access a range of services and opportunities online, including e-government services.

Providing young people with digital skills

Many young people are digitally aware. However, they need further guidance to ensure that they get the most from the ICT tools available to them and greater awareness about how to keep themselves safe online. Through a sustained and strategic 'Digital Inclusion initiative', many young individuals can gain skills that will help them further their academic knowledge, improve their business acumen, and increase their employment opportunities.

New skills for senior members of the community

Many seniors have limited awareness or are digitally excluded because of their generation and fear of technology. Senior members of the community will benefit from learning how to access e-government services online, when they are not able to easily travel or leave their homes. Programs are offered to develop their basic ICT and Internet skills to facilitate an improvement in the quality of their lives, reducing the sense of isolation by connecting them with families online.



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How Can We Increase Digital Inclusion?

- Digital literacy and other technology training in trusted and comfortable locations (libraries, schools, recreation centers, senior centers, etc) supported by trained computer instructors, librarians and lab monitors.
- Training that focuses on the outcome (such as job searching) rather than the technology. This approach is often referred to as project-based learning.
- Youth digital media projects guiding young people toward professional technology use and civic engagement.
- Technology training and guidance for small businesses.
- Accessibility technology and strategies for persons with disabilities.
- Awareness campaigns highlighting the relevancy of broadband for target populations.
- Technology fairs focused on community members sharing and teaching each other.
- Civic engagement training that teaches community members how to engage online with government.

Inclusive

Diverse

Responsible



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Inclusive Digital Technologies

Inclusive Digital Technology (IDT) is used as an umbrella term to include a range of assistive technologies and resources to support persons with additional support needs (ASN) including:

- Learners with literacy and numeracy difficulties - dyslexia and dyscalculia.
- Learners who experience sensory difficulties - visually impaired, blind and/or hearing impaired.
- Learners with communication difficulties.
- Learners with complex needs.
- Learners with Autistic Spectrum conditions.
- Elderlies



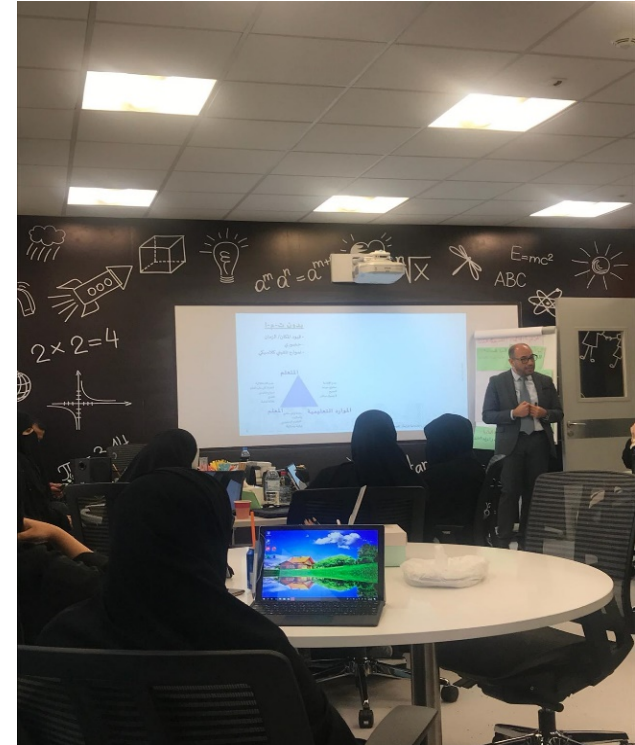
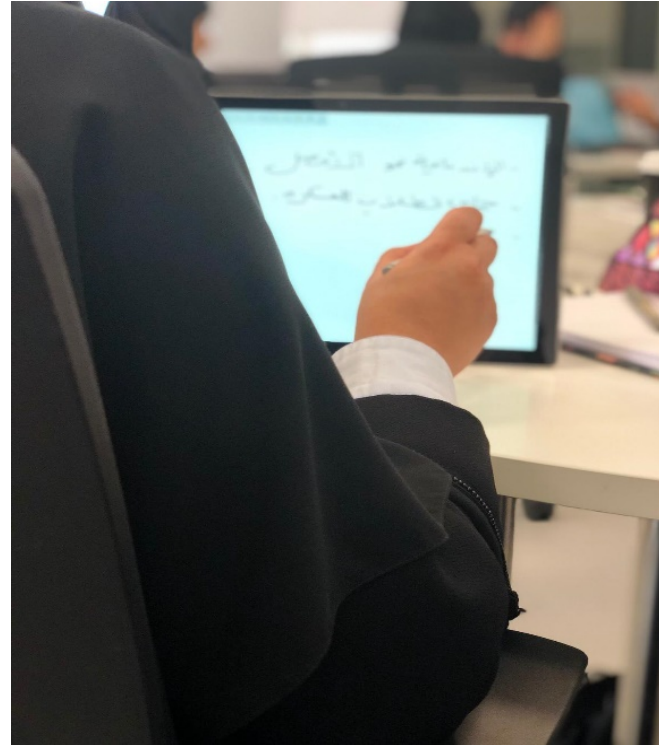
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Teacher's Training Program



- Duration: November 2019 to September 2020
- 23 participants
- General Topics:
 - Ethics of teaching
 - Teaching planning
 - Modern teaching strategies
 - Methods of evaluation (types and tools)
 - Training on technology competencies
 - Learning styles of students (individual differences, differentiated education)
 - Practical Training
 - Micro-teaching according to modern strategies
 - Classroom management



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Training on technology competencies:

- Global citizenship
- Rights of Children in education
- Qatar Education Strategies and Sustainable development goals
- The fourth industrial revolution and its impact on education
- Digital transformation and Introduction to Digital Inclusive Education
- Universal Design for learning
- Microsoft tools training
- ICT accessibility and accessible documents
- Introduction to the different disabilities and difficulties
- Inclusive Digital Technologies



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Impact of the training

- New methods for developing the education process
- Updates information about the development of global technology
- Methods on how to use technology in education
- Learn about new programs that benefit all levels
- Learn about the benefits of digital accessibility
- Develop teaching plans that consider individual differences
- Mixing technology in the educational process
- Make the educational process easier, faster and enjoyable
- Converting documents into accessible documents



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“ If a child can't learn
the way we teach,
maybe we should teach
the way they learn. ”

Ignacio Estrada

“إذا لم يتمكن الطفل من التعلّم
من خلال الطريقة التي ندرّس بها،
فلربّما يتعيّن علينا التدريس
بالطريقة التي يتعلّم بها”

إغناسيو إسترادا



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Digital Inclusive Education Platform



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Thank You



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