

ONLINE AND DIGITAL EDUCATION



WHAT IS ONLINE EDUCATION :

Online education is a type of distance learning – taking courses without attending brick and mortar school or university.

Online
student and
teacher

Interaction
over internet

Two way
communicati
on

Get
knowledge



TOOLS USING IN ONLINE EDUCATION

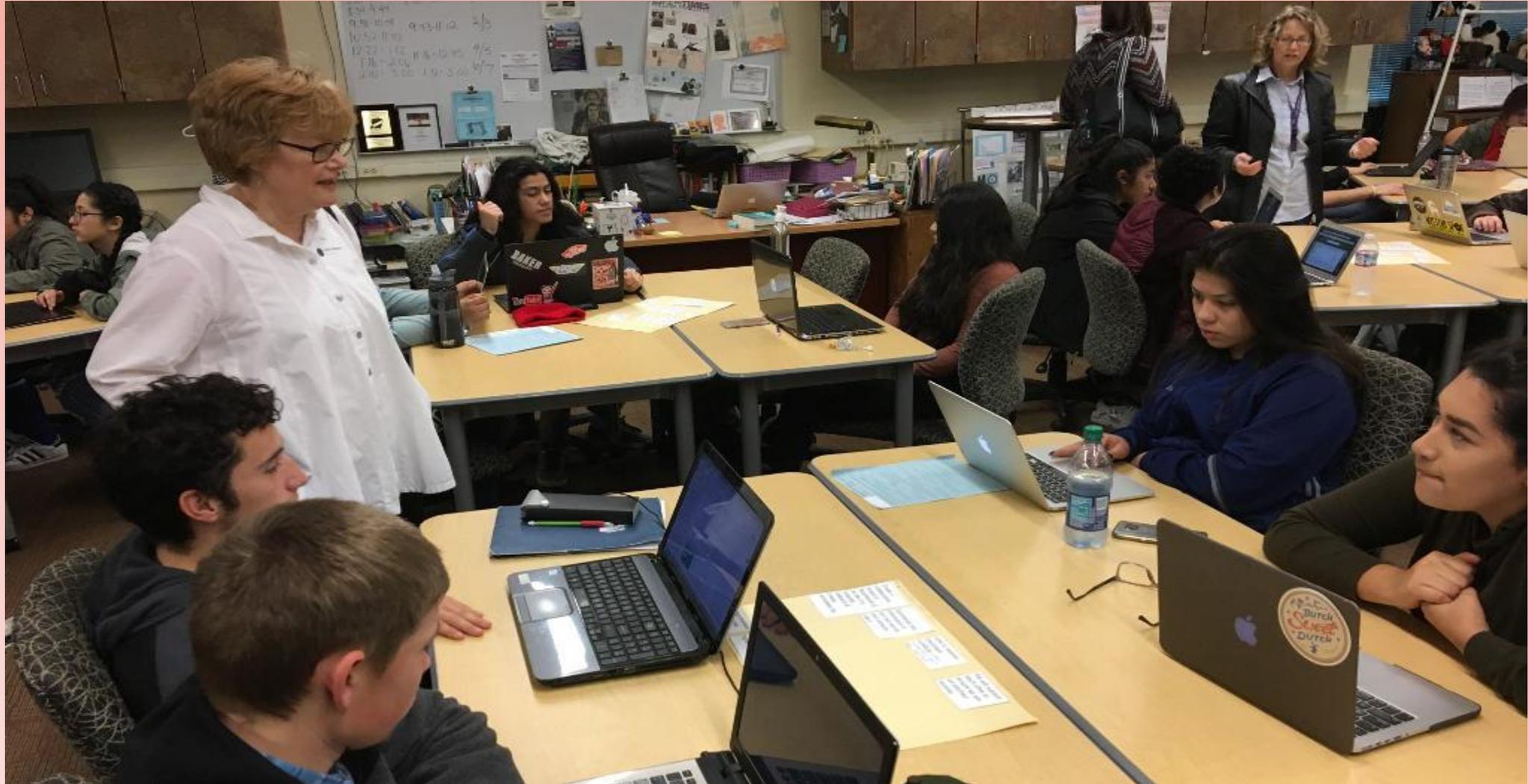


WHAT IS EQUITABLE USE OF TECHNOLOGY

Technology can be a powerful tool for transforming learning. It can help affirm and advance relationships between educators and students, reinvent our approaches to learning and collaboration, shrink long-standing **equity** and accessibility gaps, and adapt learning experiences to meet the needs of all learners.



HOW WE ENSURE EQUITABLE USE OF TECHNOLOGY IN ONLINE EDUCATION



SOME STRATEGIES TO ENSURE EQUITY OF TECHNOLOGY IN DIGITAL EDUCATION

- 1. Take-Home Technology-**The combination of inexpensive devices (especially Chromebooks) and open education resources have made it cheaper to provide digital access to great instructional resources than textbooks. It also powers blended and anywhere anytime learning models.
- 2. Support Community Broadband Access-** Home connectivity is important to support extended learning opportunities and full digital equity. In a limited number of cases, school districts may provide a connected device (tablet or laptop with hotspot) to students lacking home access, but this quickly becomes cost prohibitive to do at scale. The most common effort to promote home connectivity are community partnerships including low-cost broadband services and encouraging and mapping community Wi-Fi hotspots.
- 3 . Support Digital Literacy-** “Digital learning is mission-critical because digital literacy and digital collaboration don’t come naturally” . To prepare students for middle school, high school, colleges and beyond, the district uses a digital literacy curriculum. Students have 24/7 access to the content, so they can work in class, at home or on the bus.

SOME STRATEGIES TO ENSURE EQUITY OF TECHNOLOGY IN DIGITAL EDUCATION

- 4. Support Teacher Development-** Like students, teachers deserve access to blended, personalized and competency-based learning experience. Teachers provide support and lead conversations about new learning models. Schools received technical assistance specific to their plans when they were ready to move a great example of supporting teacher leadership and providing the right professional development at the right time.
- 5. Support Community Broadband Access-** As the digital divide narrows, a new divide of concern is the quality of guidance regarding screen time and learning opportunities. Technology is an amplifier and can accelerate the development of 21st-century skills or be unproductive (or even dangerous). Districts should support robust parent communication and education to ensure that all students have access to quality formal and informal learning experiences.

It's time to push for full digital equity — take-home technology, engaging learning models, quality learning opportunities, well-supported teachers and parents.

Benefits of online education over regular education

Online Education

- ❖ It is easy. Sitting at home can gain the knowledge.
- ❖ Less expensive.
- ❖ Missed classes can be gained on any time.
- ❖ No timings.
- ❖ Can get more explanations.

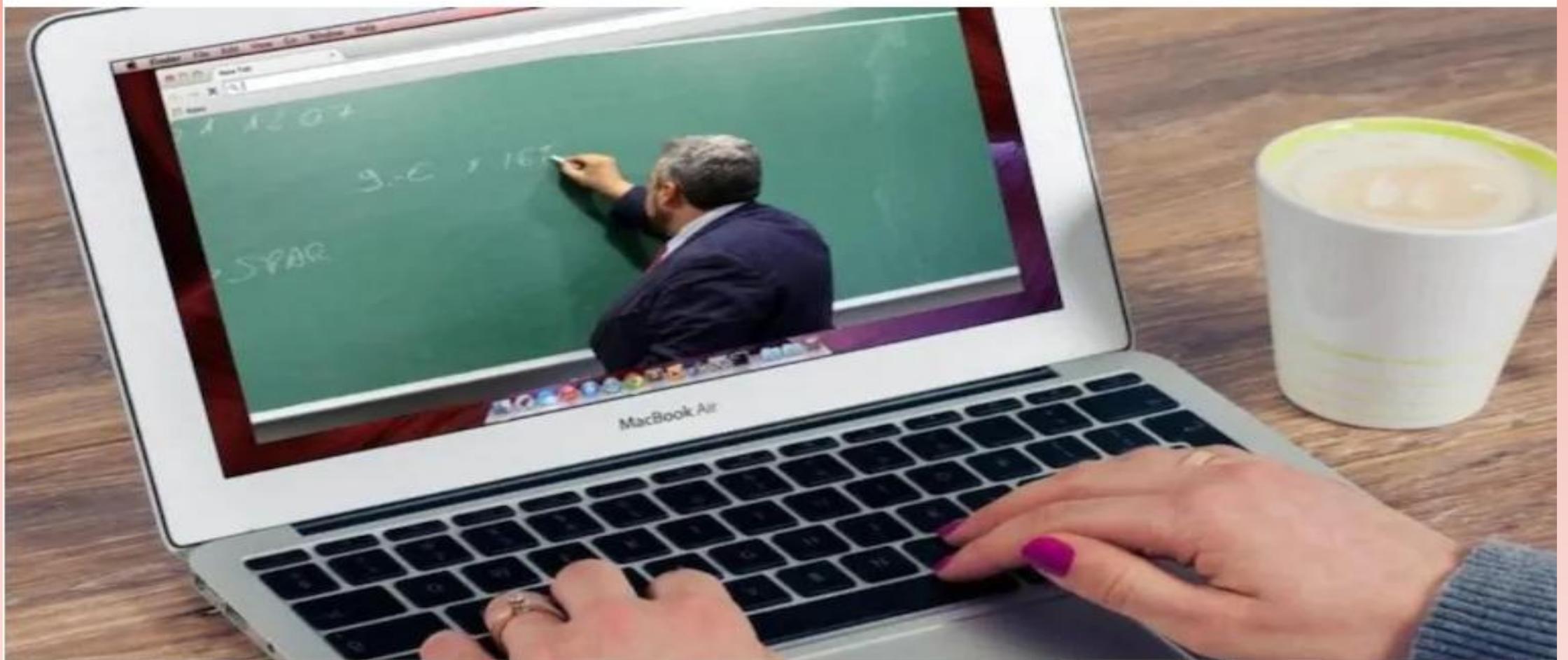


Regular education

- ❖ Knowledge is gained in a particular centre.
- ❖ Bit costlier.
- ❖ Missed classes are difficult to gain.
- ❖ Done on a perfect time
- ❖ Less explanations.



Steps that need to be taken to make online education more relevant in Higher Education:



- 1.** Unlike conventional classroom, online classroom requires teachers to adopt certain instructional strategies such as pre and post class activities using Learning Management System (LMS) to ensure active student engagement.
- 2.** For online classes, teachers are required to put in significant amount of effort in preparation of engaging presentations and in-class activities. There is need to train teachers on effective online teaching using online tools.
- 3.** Teachers in disciplines with skill-oriented courses face far more challenges in online teaching than their counterparts in other courses. Most of these courses require them to use software and simulations to explain the concepts.
- 4.** Availability of uninterrupted internet to access online classes has been a challenge for most students. **Although the internet penetration rate in India is more than 50%**, still some rural areas are deprived of internet connectivity. Intermittent connectivity often poses difficulties in getting seamless online learning experience. There is an urgent to need to ensure internet access to rural areas of the country.



24Slides

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