



# **FEDERATION OF UGANDA EMPLOYERS**

**The Voice of Employers**

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**Thank you very much**



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# **Teaching Practical Subjects Online: Options & Strategies**

# Outline of the presentation

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1. COVID-19 and education
2. Education competencies, learning outcomes and teaching online
3. Practical subjects
4. How do students learn?
5. Teaching options online
6. Challenges of teaching practical subjects online
7. Strategies for improving online teaching of practical subjects



## COVID-19 and education

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- Most of us know COVID-19 by now
- People in 185 countries infected with over half a million deaths recorded
- Education is about equipping individuals to be useful members of society
- 1,184,126,508 learners affected (67.6% of total enrolled learners) and 143 country-wide closures
- A shift to online learning represents a credible option



# Education competencies, learning outcomes and teaching online

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## Competencies

- Knowledge
- Skills
- Behaviors

## Learning outcomes

- SMART in nature
- May be more than one for a given competency

## Teaching online

- A shift from onsite (Brick) to online (Click)
- Pre-arranged or live



## Practical subjects

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- Agriculture
- Information Technology and Computer Science
- Engineering
- Practical arts
- Physical education
- Etc



## How do students learn?

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- Active learning
- Student led learning
- Blended learning
- Work based learning
- Problem based learning





## Teaching options online

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1. Live or preset
2. Independent learning
3. Student collaboration

\* Multimedia is crucial in teaching practical subjects online



# Challenges of teaching practical subjects online

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1. Low levels of digital skills
2. Cost of internet
3. Cost of online tools and production of learning materials
4. Differences in learning styles
5. Inaccessibility of certain learning materials in a home setting



# Strategies for improving online teaching of practical subjects

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1. Prepare well in advance of the online lesson (Modules are better)
2. Provide opportunities for asking questions
3. Relationship building is critical
4. Use various media creatively e.g live chats, websites, videos, pictures, audio, etc
5. Use utilize social media channels and other platforms for group discussion
6. Encourage students to use tools such as VoiceThread, Youtube and others
7. Get proper training to teach online



**Thank you for listening to me**

**Together for Employers**