2020: education disrupted

COVID19
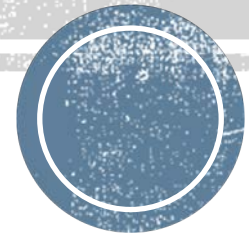
12 March 2020

861.7 million

students around the world are out of school due to **COVID-19**

Last updated 18 March 2020 - 6PM GMT+1

18 March 2020

24 March 2020

OTG@
OceanTeacher Global Academy

Delivering IOC capacity development
for the ocean we need for the future we want

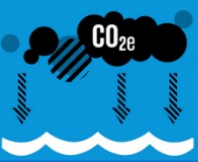# OCEANTEACHER GLOBAL ACADEMY: IOC'S CAPACITY DEVELOPMENT TOOL

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Greg Reed
Peter Pissierssens

UNESCO/IOC Project Office for IODE

UNESCO United Nations Educational, Scientific and Cultural Organization

Intergovernmental Oceanographic Commission

2021 2030 United Nations Decade of Ocean Science for Sustainable Development

IODE

Flanders State of the Art

OTG@ OceanTeacher Global Academy

OTGA 2.0

Scientific Knowledge and Research

Course topics include Research data management, OBIS, HAB

Sustainable Use of Marine Resources

Course topics include Marine Biodiversity Data Management

Marine Spatial Planning

Course topics include Marine spatial planning, GIS applications for ICZM.

Marine and Coastal Ecosystems

Course topics include Marine GIS applications, Coastal mapping & monitoring.

Disaster Risk Reduction

Course topics include Tsunami awareness, Storm surge forecasting.

Implementing International Marine Law

Course topics include Marine Scientific Research under the UNCLOS.

Ocean Acidification

Course topics include Impacts of ocean acidification.

Marine Pollution

Course topics include Prevention and reduction of marine pollution.

Delivering as One

The Science We Need for the Ocean We Want

The United Nations Decade of Ocean Science for Sustainable Development (2021-2030)

School closures have affected our education. But with the use of technology and online learning platforms things have become much easier.

Vivian
Student (Greece).

(online) (distance) (remote) e-learning?

E-learning can be defined as the use of computer and Internet technologies to deliver a broad array of solutions to enable learning and improve performance.
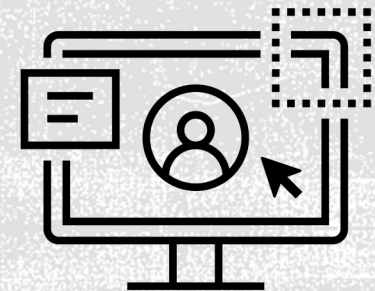
A training program may aim at developing different types of skills:

cognitive skills	psychomotor skills	interpersonal skills
• which can involve knowledge and comprehension (e.g. understanding scientific concepts), following instructions (procedural skills), as well as applying methods in new situations to solve problems (thinking or mental skills);	• involving the acquisition of physical perceptions and movements (e.g. making sports or driving a car).	• e.g. skills involved in active listening, presenting, negotiating, etc.;

Can e-learning be used to develop any type of skill?

When is it adequate to use e-learning?

- there is a significant amount of content to be delivered to a large number of learners;

- learners come from geographically dispersed locations;

- learners have limited mobility;

- learners have limited daily time to devote to learning;

- learners do not have effective listening and reading skills;

- learners have at least basic computer and Internet skills;

- learners are required to develop homogeneous background knowledge on the topic;

- learners are highly motivated to learn and appreciate proceeding at their own pace;

- content must be reused for different learners' groups in the future;

- training aims to build cognitive skills rather than psychomotor skills;

- the course addresses long-term rather than short-term training needs;

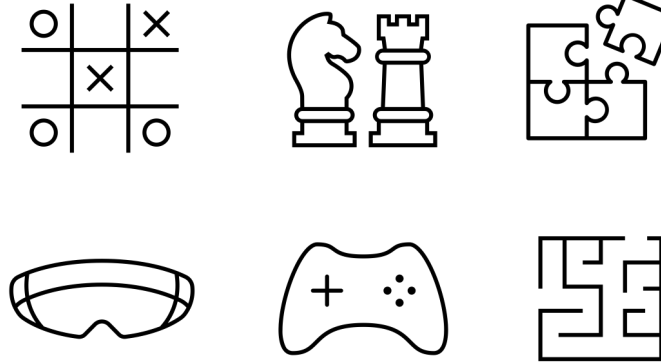- there is a need to collect and track data.

Effectiveness of distance learning

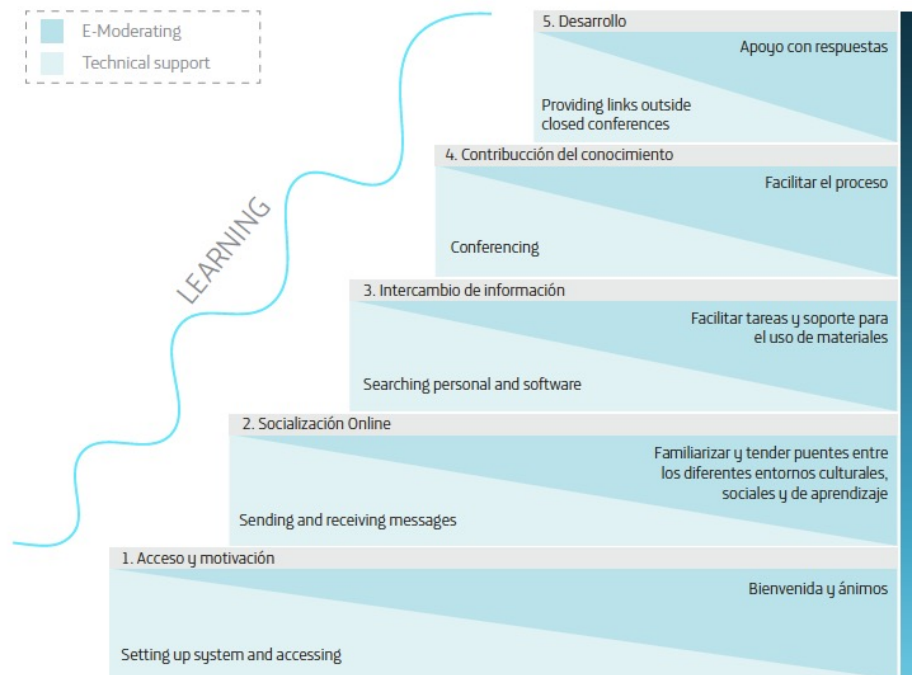A growing body of knowledge and best practices on how to deliver online and blended training

- Gamification

- Simulators and Virtual Reality

Effectiveness of distance learning
vs the Digital Divide

Designing the different phases & types of interaction when designing a MOOC. Adapted from Salmon, 2003

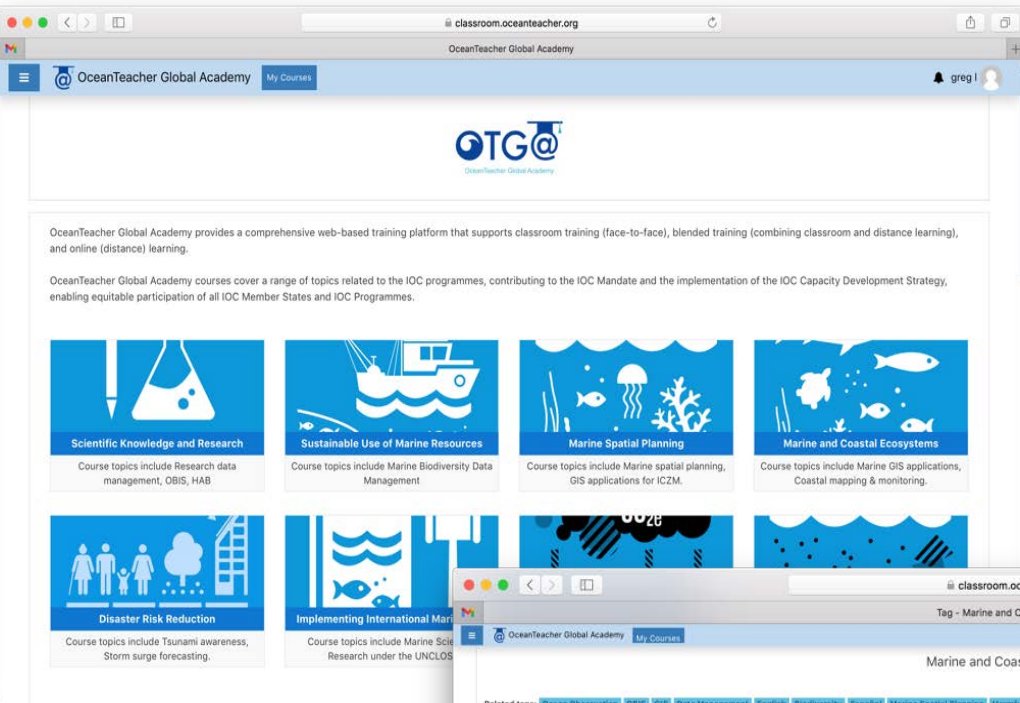**Insufficient Internet** capacity is a <u>concern</u> for all **education** systems

No internet

Try:
- Checking the network cables, modem, and router
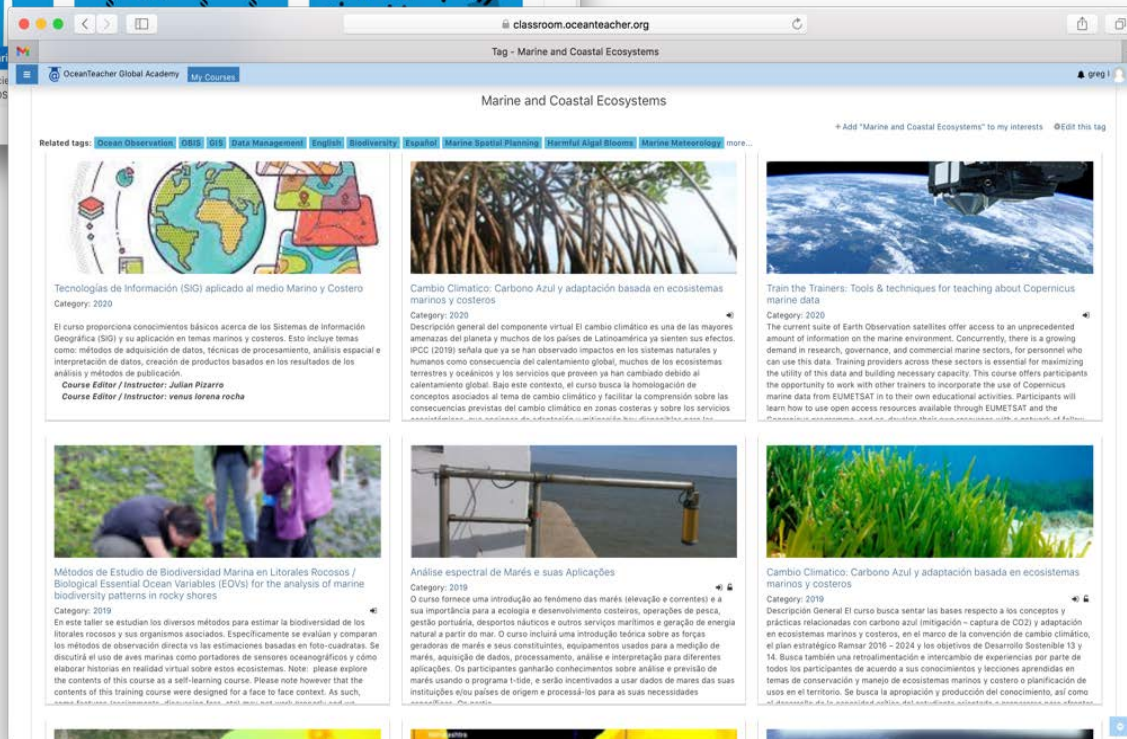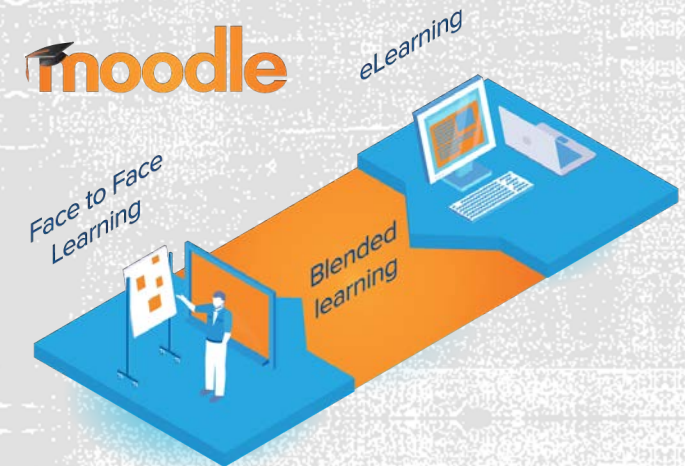- Reconnecting to Wi-Fi

Learn anywhere, anytime

Open Access

Moodle:
Modular
Object
Oriented
Dynamic
Learning
Environment

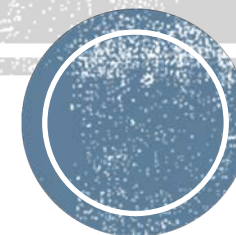# OceanTeacher e-Learning Platform

OT eLP (in short)

OTGA 2.0:
global network of Training Centres

2021: teaching and training are changing

\# LearningNeverStops

OceanTeacher Global Academy

Delivering IOC capacity development
for the ocean we need for the future we want

www.ioc-cd.org
www.oceanteacher.org
ioc.training@unesco.org