

A Community-Centred Educational Model for Developing Social Resilience through Play

## Vietnam context

Prof. Hoang Thi Bich Thuy, Hanoi University of Science and Technology Country PI

@GCRF\_ACES
aces.gchangers.org
#GChangers















# **ACES Vietnam Team**





**Hoang Thi Bich Thuy** 



**Do Minh Minh** 



**Trinh Viet Dung** 



**Bui Thi Ngoc Thuy** 



Nguyen T Thom Thom



Le Chi Ngoc



Nguyen Thi Thu Huyen



**Doan Thi Thu Trang** 



et The Team

## STATUS QUO

> Area: **330,967 km**<sup>2</sup>

➤ Population: 97.5 million people; 65.8% of rural residents 34.2% of urban residents, 49.8% male and 50.2% female

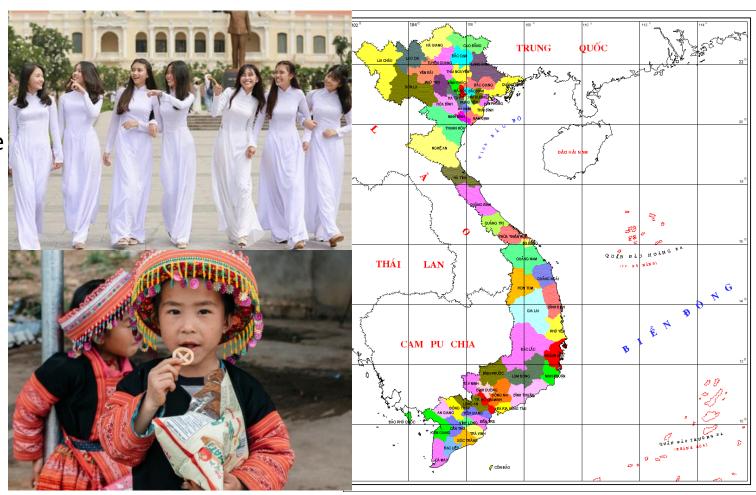
➤ 54 ethnic groups, the largest group is **Kinh** (**Viet**) **85.7%.** 

➤ Literacy rate: 97.3%

Poverty rate: 23.60%, 5.4% declined compared to 2016

➤ Gross Domestic Product: 220.4 billion USD. Per capita income: USD 2,354

➤ Unemployment rate: 2.2%

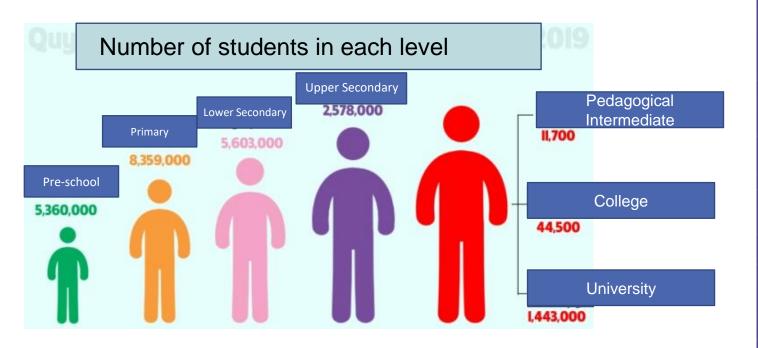




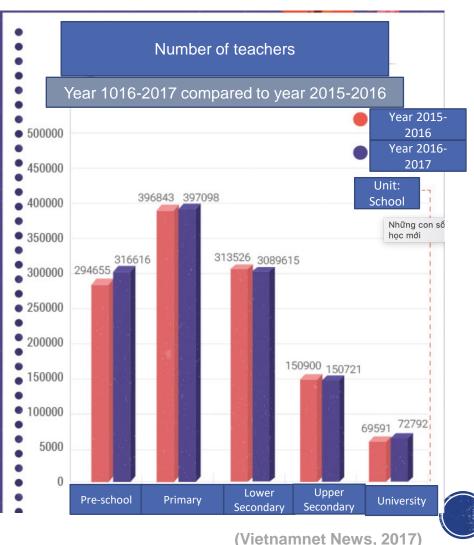
# **Education background**

#### **Challenge:**

Students lack 21<sup>st</sup> century skills to adapt to the fourth industrial revolution



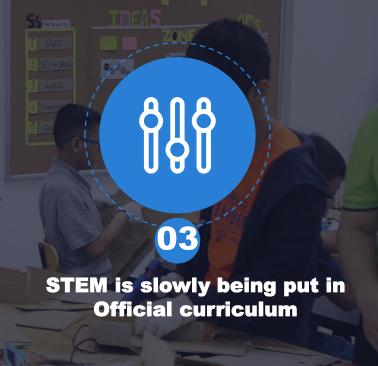
Vietnam has a total number of approximately 23,5 millions students



## STEM

STEM education is essentially understood as equipping learners with the necessary knowledge and skills related to the fields of science, technology, engineering and math. These knowledge and skills are now integrated, integrated and complementary to help students understand both the principles and can be applied to practice and create products in everyday life.





The new general education program has all STEM subjects. These are the subjects of Mathematics; Natural Sciences; Technology; Information Technology.

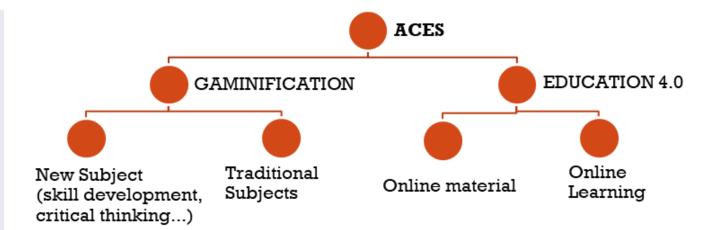
## **ACES MODEL IN VIETNAM**

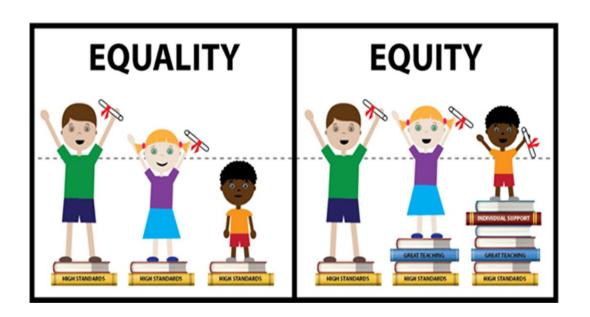
#### **Outcome:**

- Opensource material.
- Human resource (Ambassadors & Impact group).

#### **Benefits:**

- Engage with young people in marginalised rural areas or deprived sections of urban through this transformative model of education and inquiry.
- ACES will equip school teachers in the design and facilitation of collaborative, active and playful/creative 21st-century pedagogies
- Teachers from public school will slowly transform traditional subjects using gamification under Ambassador's instruction to improve students skills
- Students form the universities will be able to gain skills to adapt to the 4.0 revolution: innovation and entrepreneurship,







## **Choice of sites**

## **Secondary schools**

- ✓ Public schools,
- √ Local community,
- ✓ STEM/STEAM,
- ✓ Low income.





#### **Universities**

- ✓ Student teachers,
- ✓ Ambassadors.





## SECONDARY SCHOOLS - HOA BINH

Mountainous

> Area: 4,662.5 km<sup>2</sup>

Population: 854,131

Per capita income: USD 2,179

Poverty rate: 24.38%

> Ethinicity: Kinh, Muong, Tay, Tai, Dao.

▶ 13 schools for ethnic minorities: 2 primary schools, 5 lower secondary schools, 6 mixed schools. Total 2,477 students (2018-2019 year)

The first mountainous area having a fully equipped school for STEM.

➤ Teaching on TV and online during COVID-19 pandemic.





## **SECONDARY SCHOOL - QUANG NINH**

- Northeastern, mountainous and coastal province
- ➤ Rich natural mineral resources of coal, limestone, clay, kaolin, white sand, granite, etc.
- > Area: 6,102.3 km<sup>2</sup>
- Population: 1,414,633
- ➢ Per capita income: USD 6,135
- > Poverty rate: 4.56%
- Ethinicity: Kinh, Tay, Dao, San Chay, San Diu, Hoa.
- ➤ 181 primary schools, 189 secondary schools. Total **338,000** students for all schools in 2018-2019 year.
- > STEM in some lower and upper secondary schools.



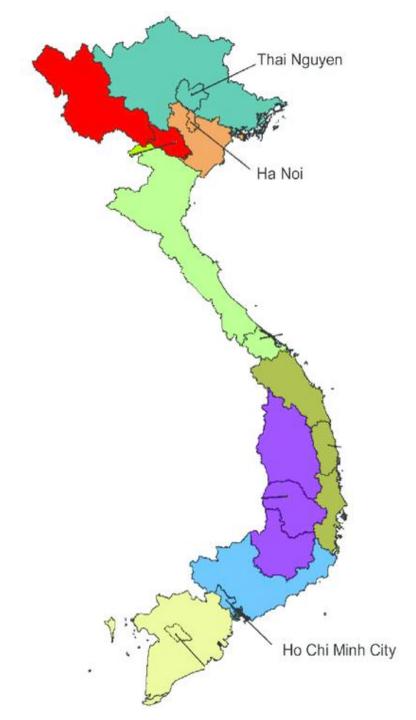


# HIGHER EDUCATION (UNIVERSITIES)

Hanoi Thai Nguyen Ho Chi Minh City

#### **ACES Engagement:**

- ✓ Student teachers,
- ✓ Ambassadors.





## Hanoi University of Science and Technology



### Admission 2019



22.3% Female students



**80%** students are in the top 11.4% nationwide



Among the top 1% highest-scored students nationwide, HUST makes up 27.4%





## THANK YOU FOR LISTENING!