

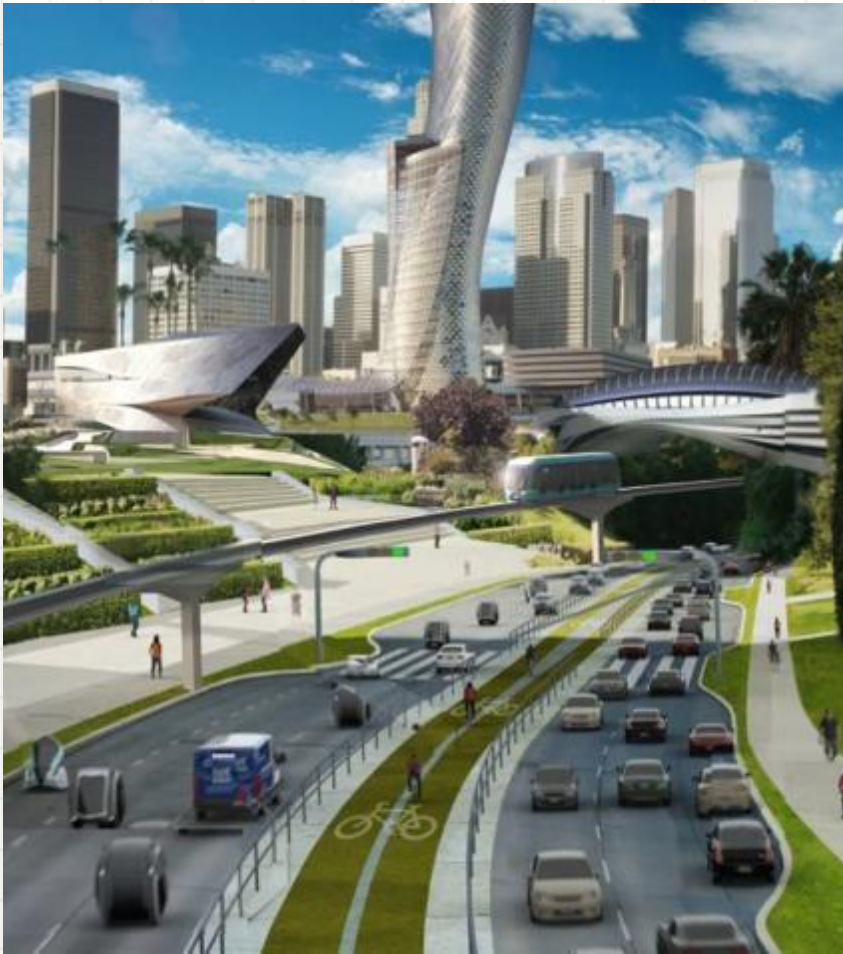


TRANSITIONS IN EDUCATION: MOVING FROM THE 20TH TO 21ST CENTURY

**Pondering Transformative Change in
Cambodia**

July 2021

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1. Education in the 20th Century

Frederick Taylor



Paula Custodio Portela 1ºBACH

- 20th Century Education was greatly influenced by *Principles of Scientific Management*
- These were principles developed by a man named **Frederic Taylor**
- Taylor was the first 'Efficiency' Expert

Taylor revolutionized Industry by:



- Standardizing tasks
- Standardizing tools
- Standardizing schedules
- Standardizing Workplace organization

Taylorism in the 20th Century:

- <https://www.youtube.com/watch?v=CCsOqWbK46o&frags=pl%2Cwn>

Education Factories . . .

- Soon, Educators thought that Taylorist Principles could be applied to schools
- This led to standardization of:
 - Curriculum
 - Schedules
 - Classrooms
 - Examinations
 - Etc.
- These changes would help prepare children to work in factories . . .

The Taylorist Classroom . . .



Compare the Taylorist Factory to the Taylorist Classroom . . .

Taylorist Factory



Taylorist Classroom



Welcome to the 20th Century!

Taylorism comes to Cambodia. . .

- Through French Colonialists, Taylorism was introduced into the Cambodian Education System
- Now we have **Education Factories** in Cambodia, too.

Taylorism in Cambodia . . .

- <https://www.facebook.com/SORCHEANG.official/videos/896484580542768/UzpfSTEwMDAwMDY0Mzg4NzY1MzoyMDE1MDkyMjM4NTIyMjE5/>

What has changed in 60 years?



The biggest change . . .

Women's Hair Styles 1969



Women's Hair Styles 2019



A quick comparison . . .

| Factor | 1969 | → | 2019 |
|------------------------|------|---|---------|
| Classroom Organization | | | Same |
| Classroom Furniture | | | Same |
| Teaching Methods | | | Same |
| Building Style | | | Same |
| Uniforms | | | Same |
| Women's Hair Styles | | | Changed |

2. Education in the



- The needs of society have totally changed in comparison to the 20th Century

How is society changing?

- Knowledge is no longer stable as in the 20th Century
 - The idea of a fixed textbook is old-fashioned
- Machines are replacing people
- Jobs are disappearing
- New Jobs are arising
- Need to train people to do the things that machines can NOT do

What is 21st Century Education?

<https://www.youtube.com/watch?v=Ax5cNlutAys>

Comparing 20th & 21st Century Education

| Parameter | 20 th Century Education | 21 st Century Education |
|---------------------------|---|---|
| 1. Concept of Learning | <ul style="list-style-type: none"> Information Transfer Passive Learning | <ul style="list-style-type: none"> Learning to Learn Active Learning |
| 2. Curriculum | <ul style="list-style-type: none"> Standardized Textbook-driven | <ul style="list-style-type: none"> Individualized Research-driven |
| 3. Assessment | <ul style="list-style-type: none"> Test-driven | <ul style="list-style-type: none"> Portfolio-driven |
| 4. Classroom Organization | <ul style="list-style-type: none"> Standardized Rigid Rows | <ul style="list-style-type: none"> Flexible Organized for Group Learning |
| 5. School Organization | <ul style="list-style-type: none"> Hierarchical | <ul style="list-style-type: none"> Networks and Relationships |
| 6. Educational Philosophy | <ul style="list-style-type: none"> Compliance Conformity Uniform | <ul style="list-style-type: none"> Dynamic Non-conformist Creative |
| 7. School Architecture | <ul style="list-style-type: none"> Uniform Standardized | <ul style="list-style-type: none"> Dynamic Unstandardized |

A Humorous Look at Education in the 20th Century . . .

- <https://www.youtube.com/watch?v=kb6UU8R1YPA>

Discussion

- *An important conclusion from this short clip is:*

Teachers Don't Have to Think

- *Why is this a problem for 21st Century Education?*

3. How NGS Seeks to Meet Needs of the 21st Century . . .



- Let's go back to our Comparison Table of Differences between 20th and 21st Century Education.
- In small groups, try to find some concrete examples of things we should be doing in NGS to promote 21st Century Education . . .

What To Expect In The 21st Century Classroom



Give Concrete Examples . . .

| Parameter | 21 st Century Education | Concrete Examples in NGS . . . |
|---------------------------|------------------------------------|--------------------------------|
| 1. Concept of Learning | · Learning to Learn | · _____ ? |
| | · Active Learning | · _____ ? |
| 2. Curriculum | · Individualized | · _____ ? |
| | · Research-driven | · _____ ? |
| 3. Assessment | · Portfolio-driven | · _____ ? |
| 4. Classroom Organization | · Flexible | · _____ ? |
| | · Organized for Group Learning | · _____ ? |
| 5. School Organization | · Networks and Relationships | · _____ ? |
| | | · _____ ? |
| 6. Educational Philosophy | · Dynamic | · _____ ? |
| | · Non-conformist | · _____ ? |
| | · Creative | · _____ ? |
| 7. School Architecture | · Dynamic | · _____ ? |
| | · Unstandardized | · _____ ? |

Directions:

- Please complete the table in small groups and present to the main group . . .
- Give **specific examples** of things you are doing or will do in your classroom
- Discuss and React to the ideas presented