

21ST CENTURY SKILLS

FOR TEACHERS AND STUDENTS

Europass Teacher Academy

Dublin, 6th December 2021

Presented by: Dr. Robert Schwamborn

YOUR TRAINER

- ▶ From Germany, in Ireland since 2006
- ▶ Wood Badge (Scouting leadership) programme
- ▶ PhD in Neuroscience
- ▶ Head of Career Development at the Young European Biotech Network (YEBN)
- ▶ Chairman & Mentor at YEBN
- ▶ Amgen Biotech Experience Teacher Trainer
 - ▶ Education Outreach Award
 - ▶ Global Support
- ▶ Europass Teacher Trainer



Teachers are trained in the use of professional grade laboratory equipment



Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9:00 - 10:30	Introduction to the course, school, and Dublin	Communication Critical thinking	New Methods: X-based learning Case Study	Task-based learning	Lesson presentation	Cultural activities
10:30 - 10:45	Break	Break	Break	Break	Break	
10:45 - 12:15	Icebreakers and presentation of participants' schools	Collaboration & Creativity Jigsaw model	Flipped Classroom	Constructive feedback Assessments and Rubrics	Round robin Sharing resources for education	
12:15 - 12:30	Break	Break	Break	Break	Break	
12:30- 14:00	Introduction to the 21st Century skills Learning Journal & reflective writing	Motivation	Digital Classroom	Lesson planning	Closing ceremony and awarding of certificates	

Further information about the cultural activities are available on each location webpage.

Teacher Trainer: Robert Schwamborn

 teacheracademy.eu

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CÉAD MÍLE Fáilte!

► Welcome to Ireland!



THINGS TO DO IN DUBLIN

Guinness Storehouse



Chester Beatty Library



Temple Bar district



Spire



St Stephens Green



National Botanic Gardens



Kilmainham Gaol



Viking Splash tour



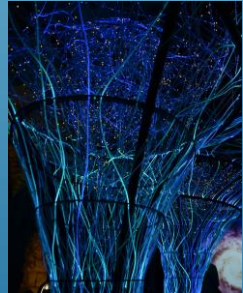
Jameson Whiskey Distillery



Iveagh Gardens



Irish Emigration Museum



Molly Malone



Dublin Writers Museum



National Leprechaun Museum



Phoenix Park



Trinity College Dublin



The Little Museum of Dublin



PARTICIPANTS

- Everybody stand in a circle
- First person calls out their name, country, school type (Primary, Secondary, Vocational, Adult) and subject they teach
- The next person repeats what the first person said and then says their own details,
- The third person repeats the first and second persons details before calling out their own
- Etc..

SCHOOL PRESENTATIONS

- ▶ 5-10 min
- ▶ About your teaching, your school, use of student-led learning methods, your city, your country

<https://wheeldecide.com/index.php?c1=Serena%2C+Alice+and+Carla&c2=Monica+and+Chara&c3=Miriam+and+Margot&c4=Mabel&c5=Laura&c6=Federica&c7=Victoria&time=5&remove=1>

2 TRUTHS AND 1 LIE

Share two truths and one lie about yourself
The others will guess which one is the lie



SATURDAY TOUR AND MOBILITY DOCUMENTS



21ST CENTURY SKILLS

What are the big differences between the (2nd half of the) 20th Century and the 21st Century?

- ▶ Attention span has decreased
- ▶ Now more an entertainer than a teacher
 - ▶ IT and Internet
 - ▶ Social Media
- ▶ From chalk to white boards and smart boards
- ▶ Parents are too involved in school (need to justify teaching)
 - ▶ Gender diversity fluidity
- ▶ Gap between state-of-art appearance and old methods
 - ▶ Student-centered in stead of chalk n talk
 - ▶ Access to information
 - ▶ Autonomous learning
 - ▶ Less lecturer more facilitator
 - ▶ Responsible for personal life of students
- ▶ Can now use many different methods and approaches
- ▶ Decrease teacher authority and focus on students' needs

WHAT ARE THE BIG DIFFERENCES BETWEEN THE 20TH AND 21ST CENTURY?

- Both parents are working
- Gender roles are changing
- The cold war is over
- Climate change, Biodiversity decreases, destruction of natural habitats continues
- Internet
- Smart phones
- Social media
- Knowledge economy
- Globalisation
- More intercultural, bilingual
- Inflation, house prices increase
- Decline of social welfare and pensions

WHAT ARE THE BIG DIFFERENCES BETWEEN THE 20TH AND 21ST CENTURY?



Traditional education
is knowledge-based

But nowadays,
machines are better
than people in
memorising and
processing
knowledge

→ EDUCATION NEEDS
TO ADAPT

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 - Inflation, house prices increase
 - Decline of social welfare and pensions
- Parents have less time for their kids
 - Letting go of gender stereotypes
 - Peace needs to be stabilised
 - Fridays for Future
 - Instant knowledge
 - Live has become faster
 - Shorter attention span
 - External values
 - Inflation of university degrees
 - Skills and competences are more important than knowledge
 - Issues are hidden
 - Language learning more important than ever
 - Financial insecurity
 - Redefining values

WHAT ARE THE BIG DIFFERENCES BETWEEN THE 20TH AND 21ST CENTURY?

Which aspects are most relevant for you/your students? Write them down

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EXPECTATIONS

Based on Padlet survey (https://padlet.com/robert_schwamborn/211206)

- Practical approach to teaching
- Engaging activities, Capturing my students attention/curiosity
- Widening my students' attention span
- Discover innovative teaching strategies/methodologies
- New insights/inspiration into methodologies already known/implemented
- Make students feel comfortable and happy at school
- Strategies to evaluate students and to make them evaluate themselves
- Learning from others

Issues

- Lack of consistency studying
- English real life thing vs study subject
- Irregular attendance, lack of motivation
- Issue with class
- Challenges of/with young people
- Student's learned helplessness

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DEFINE YOUR LEARNING GOALS

If there was only one new thing (solution/method/idea/strategy) that you could take home from this course, or one issue that you would like to tackle, what would it be? What is wildly important for you/your students?

Use the 5 Why technique to explain why you have chosen this/what the reason for this issue is.

Think-Pair-Share

→ Put result on poster, add an illustration/symbol

5 Whys: Why have you chosen this answer? Repeat (5 times) until you have reached a level that connects to your fundamental values/original cause of the issue

Carla	Practical approach teaching (in primary school)
Serena	Motivating and engage students; importance of learning skills for life (through technology they know 10-14)
Alice	Social and intercultural competences, cooperation
Fiorella	More intercultural and bilingual (13-19 student)
Monika	Innovative teaching strategies (interactive, cannot share anything, no writing)
Chiara	Autonomous learning/problem solving (via innovative teaching, 11-14)
Laura	Motivation, innovative techniques, students are bored at school (entertain us!), finding relevance 11-14)
Federica	Motivation, innovative techniques, students are bored at school (entertain us!), 11-14)
Miriam	Motivation, student engagement, adult work-life balance, certificate-focussed
Margot	Finding ways to foster interaction in Covid-times
Victoria	Coping with distances / online teaching distance