Topic: 21st Century: A Global perspective on Schools: talk given at Bett2017

This presentation is a collection of best practices and new innovations that I observed during my travels in 2016. It is meant to be an eye opener in terms of what qualities, competencies, knowledge, skills and character traits are required to help cultivate 21st century learning for the children of today.
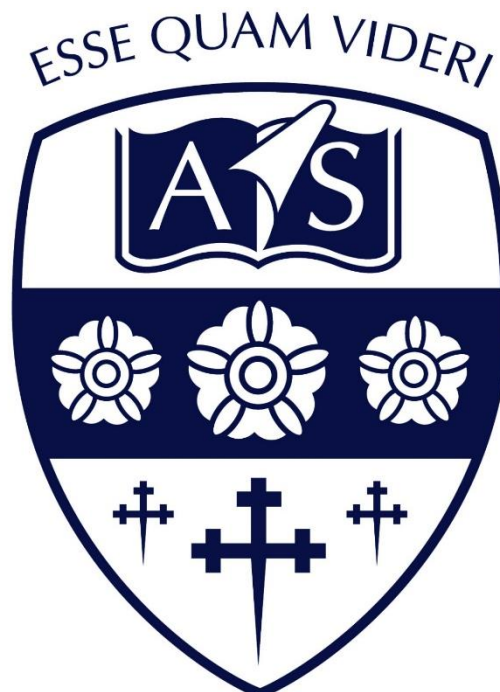
The main focus of the presentation is to keep an open mind and look to embrace the various opportunities that are taking place around the world. It was mainly a sharing exercise in giving consideration to other countries – Paris Unesco, South Africa EdTech, Singapore Educational Technology and Dubai 21st Century Learning – and what they advice are their top priorities for nurturing their students into global 21st century learners.

The presentation ended with a few tag lines for the audience. However, if there is one thing that the audience should take away, I would suggest that we pay attention to our children's' multiple intelligences and build upon their character traits because that is the goal of true education for today's times.
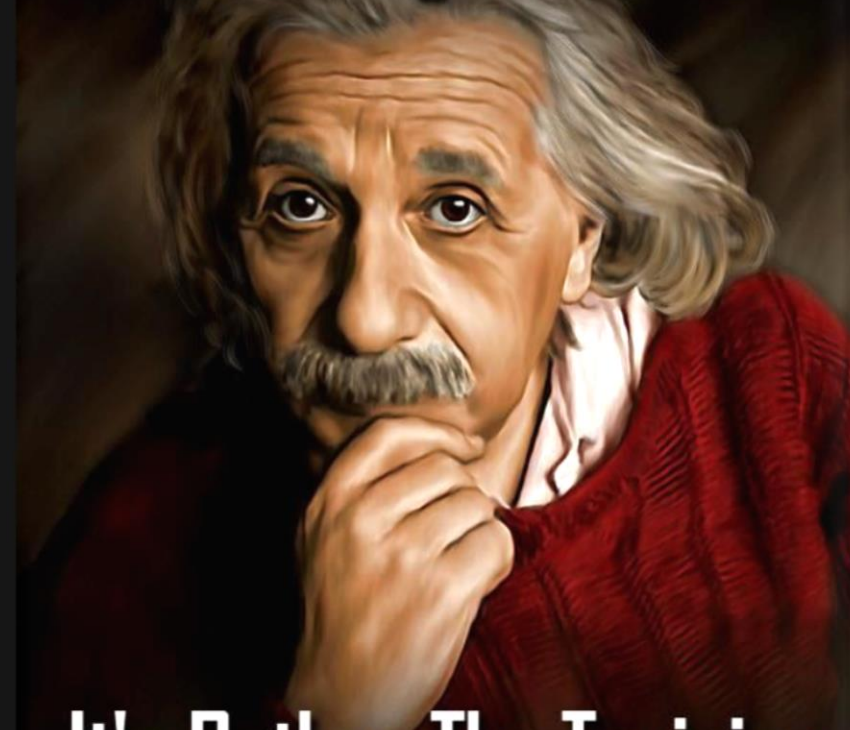
21ST CENTURY: A GLOBAL PERSPECTIVE ON SCHOOLS

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INTRODUCTION

HEAD OF ASHFORD SCHOOL AND CHAIR OF THE HEADMASTERS' & HEADMISTRESSES' CONFERENCE (HMC)
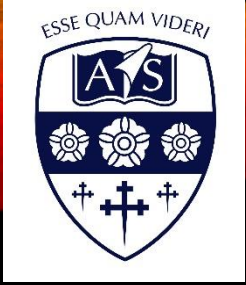
Education is Not The Learning of Facts

It's Rather The Training of The Mind To Think

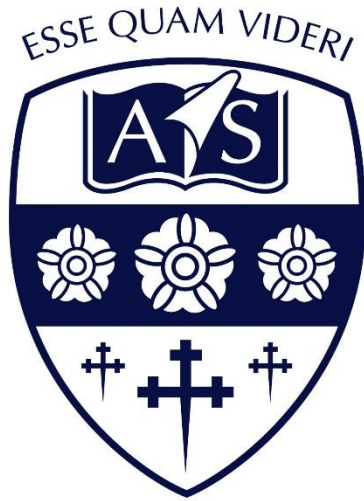# UNESCO: PARIS CONNECT TO LEARN

2016

PEDAGOGICAL INTEGRATION

- Technology should not define pedagogy, and teachers should be prepared and supported to design pedagogy to lead the use of technology.

Technology for Teaching and Learning Tools

To facilitate Marking, Feedback and Assessment	To facilitate Content Creation and Delivery	To facilitate Flipped Learning
Socrative: Socrative.com Kahoot: Getkahoot.com Forms: Microsoft 0365 Forms	Padlet: Padlet.com Showbie: Showbie.com One Note: Microsoft 0365 One Note/Class Notebook	Explain Everything: Explain Everything.com Showme: Showme.com Nearpod: Nearpod.com Powerpoint: Microsoft 0365 Powerpoint Mix

ESSE QUAM VIDERI

EMPOWERING CHILDREN AND PARENTS

- Equally important is how to empower children to be safe and responsible users of mobile technology without restricting them from opportunities.

Digital Parenting
by Dr Neelam Parmar

We all want to be good parents and raise our children as well. Our children are surrounded by technology which has become part of their everyday lives. They are able to switch between devices, applications and social media throughout the day, without even realising what they are doing. For them *digital life is just life*.

The reality is that while technology has advanced quickly, digital parenting skills have not kept pace. It may not be our fault, but it is definitely a problem. There is always so much information to process with the new tech, that as a parent it becomes difficult to distinguish that which is truly important and that which is not.

As a parent and an e-learning professional, I understand and sympathise with the feeling of being overwhelmed by the use of new technology in our lives. While there is no such thing as perfection, the aim of this book is to give parents *good enough* information to get them started in the right direction in dealing with the technological challenges their children face.

This book, therefore, is written with the aim of helping fellow mums and dads who wish to find out more about what it means to become a digital parent, without getting too side tracked by it all.

CREATE AN ECOSYSTEM

Making content accessible anywhere at anyplace, anytime and anywhere with whatever technology you use (and with/without broadband).

1920 × 1080 - youtube.com

firefly

showbie
- crunchbase.com

EDUTECH: SOUTH AFRICA
LIFELONG 21 CENTURY SKILLS

2016

"
THE ILLITERATE OF THE 21ST CENTURY WILL NOT BE THOSE WHO CANNOT READ AND WRITE, BUT THOSE WHO CANNOT LEARN, UNLEARN AND RELEARN
"

Alvin Toffler

21ST CENTURY SKILLS

Foundational Literacies

How students apply core skills to everyday tasks

LITERACY

NUMBER

SCIENTIFIC LITERACY

ICT/DIGITAL LITERACY

FINANCIAL LITERACY

CULTURAL AND CIVIC LITERACY

Competencies

How students approach complex challenges

CREATIVITY

COMMUNICATION

COLLABORATION

CRITICAL THINKING

CITIZENSHIP: CONTRIBUTION TO THE WORLD

Character Qualities

How students approach the changing environment

CURIOUSITY

INITIATIVE

ADAPTABILITY

LEADERSHIP

PERSISTENCE/GRIT

SOCIAL AND CULTURAL AWARNESS

2020

- Complex Problem Solving
- Creativity
- Coordinating with Others
- People Management
- Critical Thinking
- Judgment and Decision Making
- Negotiation
- Service Orientation
- Cognitive Flexibility
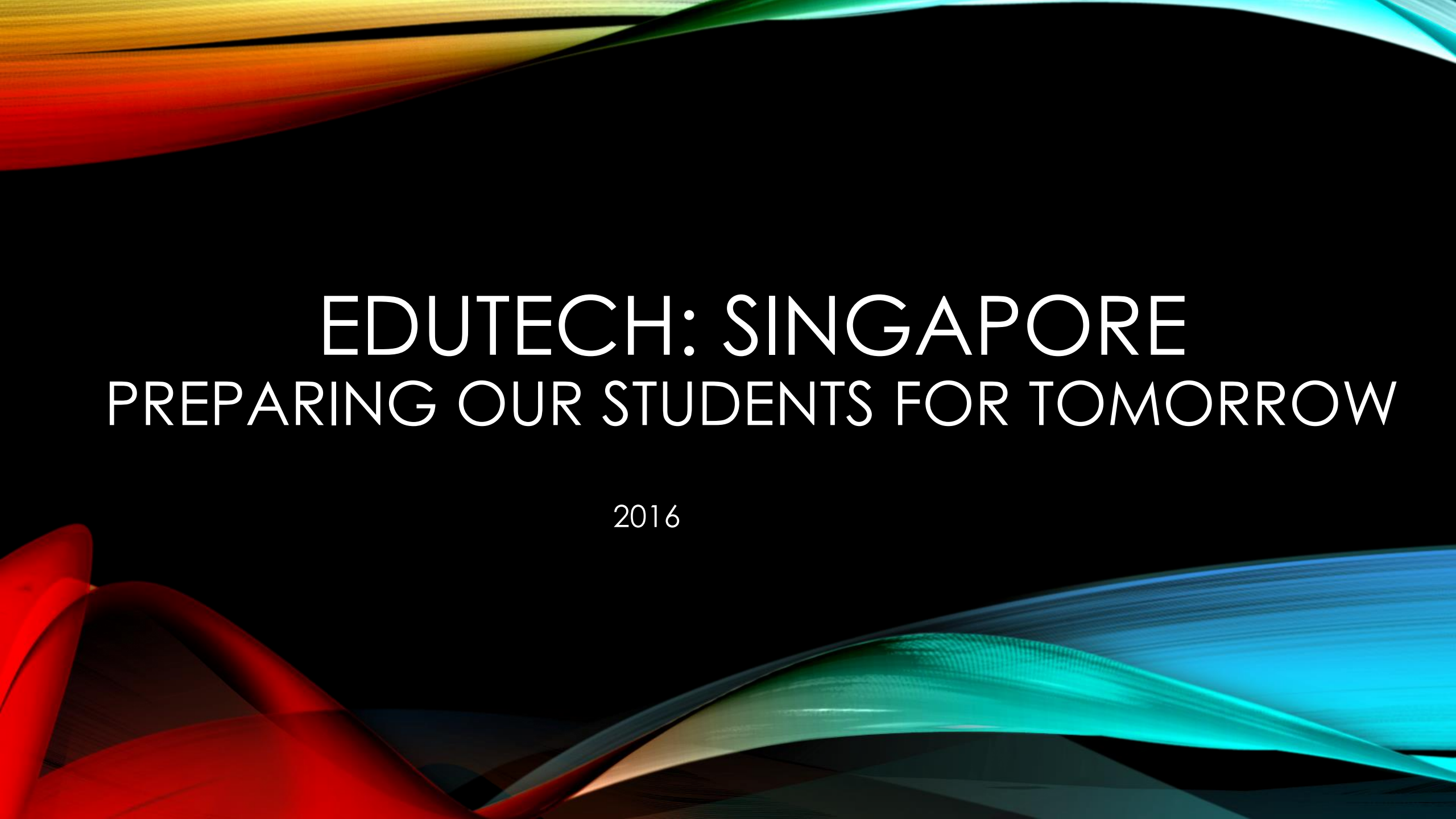- Emotional Intelligence
- Staying Connected

2015

- Complex Problem Solving
- Creativity
- Coordinating with Others
- People Management
- Critical Thinking
- Judgment and Decision Making
- Negotiation
- Service Orientation
- Active Learning
- Quality Control

Creating the conditions for self-differentiation and personalization through asking learners to . . .

- Create
- Write
- Explore
- Make
- Invent
- Imagine
- Prepare
- Build
- Compose
- Construct
- Design
- Develop
- Formulate $\int_a^b f(x)dx$
- Originate

EDUTECH: SINGAPORE
PREPARING OUR STUDENTS FOR TOMORROW

2016

THIS IS THE AGE OF INTELLIGENCE

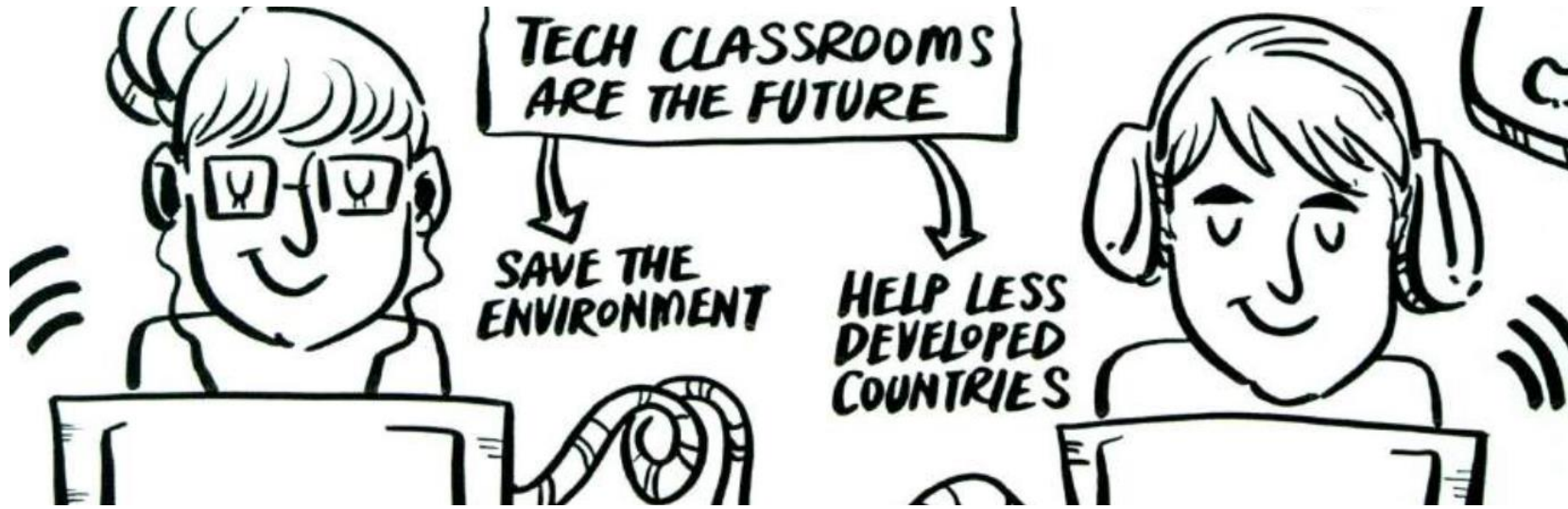Tony Buzan, Author and Educational Consultant

SKETCHPOSTS

- Communication
- Creativity
- Collaboration

- Able to think out of the box

NEW
TEACHING
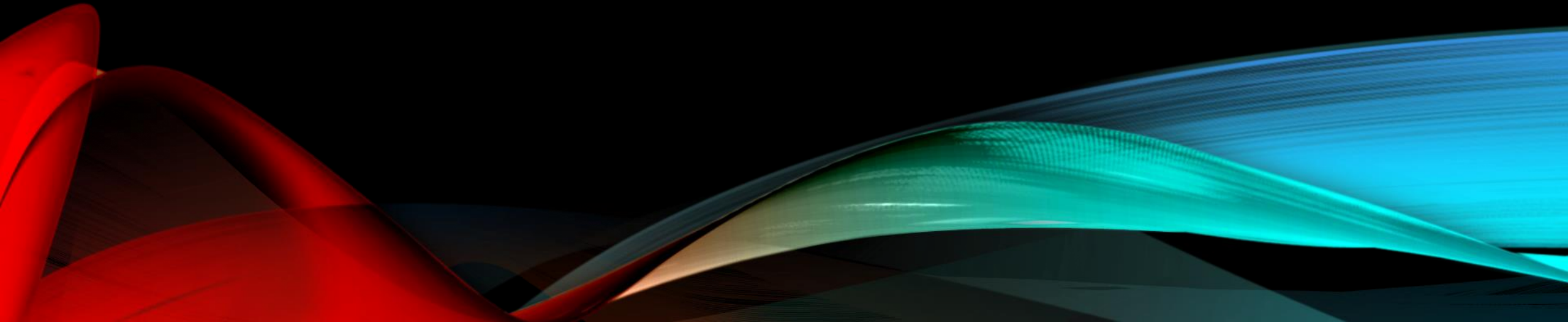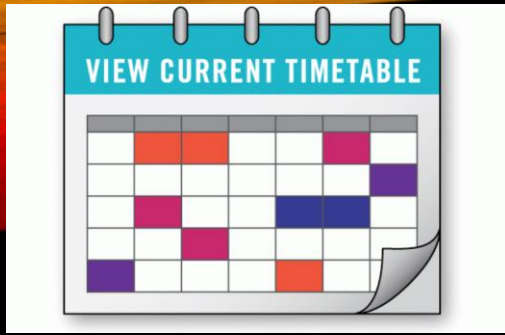PRACTICES

GOING BEYOND THE CLASSROOM

EDUTECH MIDDLE EAST: DUBAI
DIGITAL EDUCATION

2016

"THE AIMS OF EDUCATION ARE TO ENABLE STUDENTS TO UNDERSTAND THE WORLD AROUND THEM AND THE TALENTS WITHIN THEM SO THAT THEY CAN BECOME FULFILLED INDIVIDUALS AND ACTIVE, COMPASSIONATE CITIZENS"

SIR KEN ROBINSON

RETHINKING TIME TABLES

Traditional

- Teachers, students, place and time are determined by teachers and administrators
- Place is dictated by curriculum demands and managed by teachers
- Ownership of learning with teachers
- Standardised content delivery (with possible differentiation)

Flexi

- Learners control over time, path, pace, and place of learning
- Ownership of learning with learners
- Personalised learning goals
- Time for design thinking

VIEW CURRENT TIMETABLE

EVANGELIST SCHOOL BERLIN PHILOSOPHY

"The philosophy behind these innovations is simple: as the requirements of the labour market are changing, and smartphones and the internet are transforming the ways in which young people process information, the school's headteacher, Margret Rasfeld, argues, the most important skill a school can pass down to its students is the ability to motivate themselves."

"The mission of a progressive school should be to prepare young people to cope with change, or better still, to make them look forward to change. In the 21st century, schools should see it as their job to develop strong personalities."

CHIEF DIGITAL OFFICER (CDO)

- A visionary educator able to collaborate with a digitally empowered staff, students and parents

- Who can simultaneously govern the school's use of the digital and ensure multiple systems and offerings are appropriately integrated and refreshed.

- Willing to actively support the distributed control of teaching, learning and resourcing that can provide the desired digital expertise, direction setting, infrastructure, services and support.

- Enable it to realise its shaping educational and digital vision.

Lee, M (2016) 'The Chief Digital Officer and the Governance of the School's Digital Ecosystem' *Educational Technology Solutions* August 2016 - http://www.educationtechnologysolutions.com.au/2016/08/chief-digital-officer-governance-school-digital-ecosystem/

" Leaders: "Education is *really* serious business"

Teachers: "We are the beginning of knowledge creation"

Students: "This is the age of creative learning" "

TO THE REST OF US…………

We live in a highly advanced society.
There is always something new to learn.

So if you really want to make a difference:
be curious, be active and educate yourselves

It is really that simple!

Ashford School Artist

THANK YOU

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