



北京大学
PEKING UNIVERSITY



eLearning Forum Asia 2012

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Next Generation Learning

Visions • Innovations • Possibilities

Learning 3.0: Connected Learning

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National Dong Hwa University



Outline

- ☐ Where are we heading in E-education?
- ☐ What is Learning 3.0?
- ☐ Connected Learning
- ☐ Conclusions

Where are we heading in E-education?



Where are we heading in E-education?

- ❑ Space... the **Final Frontier**. These are the voyages of the starship Enterprise. Its five-year mission: to explore strange new worlds, to seek out new life and new civilizations, **to boldly go where no man has gone before**.
- ❑ Where is the final frontier for E-education that we should **boldly go**?

Where are we heading in E-education?

☐ Tired of new learning technologies?

Tired of learning new systems?

Where are we heading in E-education?

**How to help
teachers and
students succeed in
a connected world?**

**The first thing to do:
Let them be connected!**

What is Learning 3.0?

Worldwide Facebook Users - 838 531 960

#	Country	Users ▼
1.	United States	154 760 400
2.	India	45 868 120
3.	Brazil	44 184 160
4.	Indonesia	43 514 840
5.	Mexico	33 939 440
6.	Turkey	31 315 860
7.	United Kingdom	30 157 300
8.	Philippines	27 934 000
9.	France	24 068 600
10.	Germany	23 214 800

What is Learning 3.0?

f i ® s t m x ñ d @ ¥

Vol. 12, No. 3, 2007

PEER-REVIEWED JOURNAL ON THE INTERNET

The genesis and emergence of Education 3.0 in
higher education and its potential for Africa

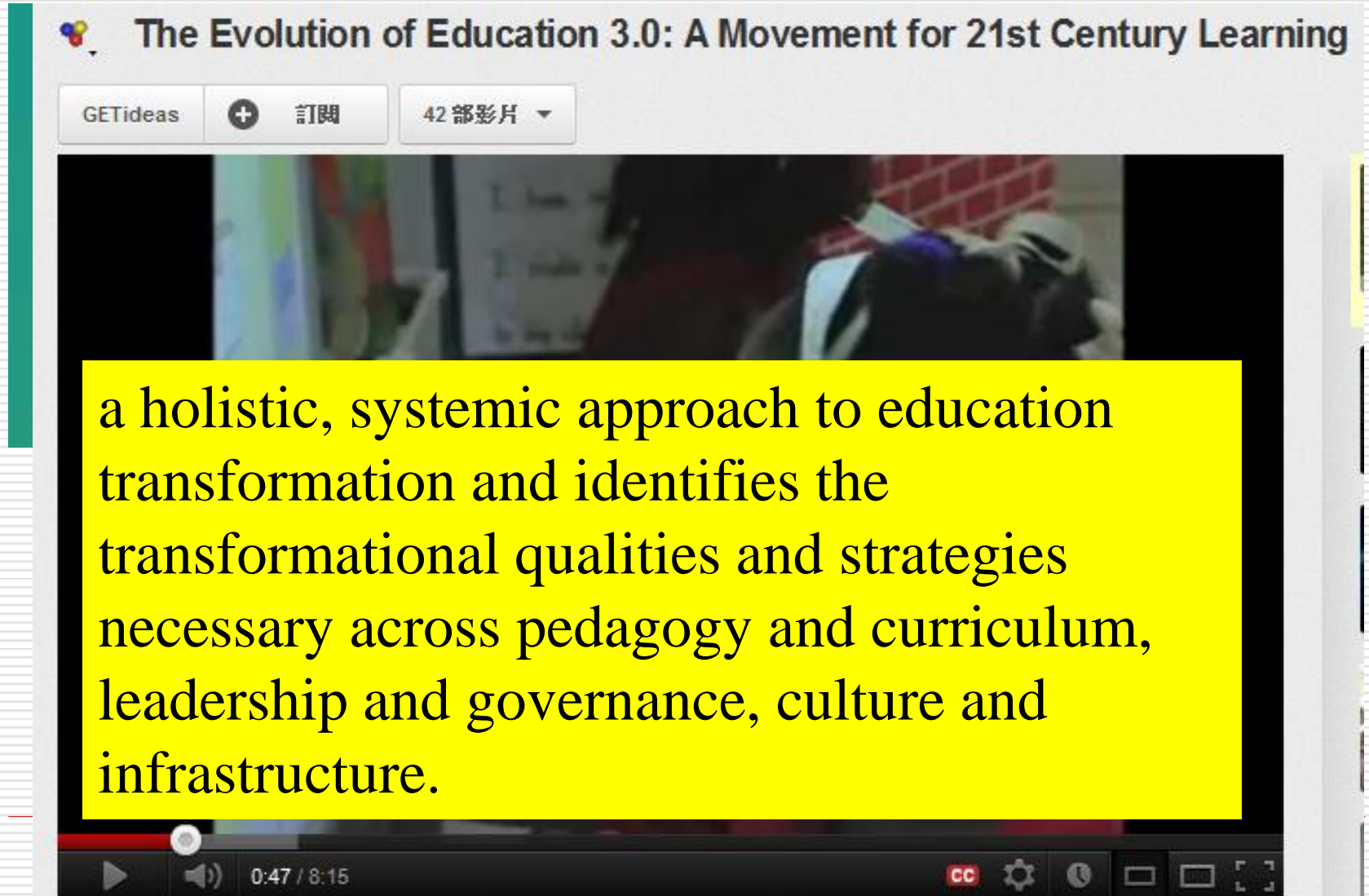
by Derek Keats and
J. Philipp Schmidt

collaborative and personalized learning, reusable
learning content, and recognition of prior learning



	Education 1.0	Education 2.0	Education 3.0
Meaning is...	Dictated	Socially constructed	Socially constructed and contextually reinvented
Technology is...	Confiscated at the classroom door (digital refugees)	Cautiously adopted (digital immigrants)	Everywhere (ambient, digital universe)
Teaching is done ...	Teacher to student	Teacher to student and student to student (progressivism)	Teacher to student, student to student, student to teacher, people-technology-people (co-constructivism)
Schools are located...	In a building (brick)	In a building or online (brick and click)	Everywhere (thoroughly infused into society: cafes, bowling alleys, bars, workplaces, etc.)
Parents view schools as...	Daycare	Daycare	A place for them to learn, too
Teachers are...	Licensed professionals	Licensed professionals	Everybody, everywhere
Hardware and software in schools...	Are purchased at great cost and ignored	Are open source and available at lower cost	Are available at low cost and are used purposively
Industry views graduates as...	Assembly line workers	As ill-prepared assembly line workers in a knowledge economy	As co-workers or entrepreneurs

What is Learning 3.0?



The image shows a YouTube video player interface. At the top, the video title is "The Evolution of Education 3.0: A Movement for 21st Century Learning" by the channel "GETideas". Below the title, there are buttons for "訂閱" (Subscribe) and a dropdown menu showing "42 部影片" (42 videos). The video player itself shows a blurred image of a person. A large yellow text box is overlaid on the video, containing the text: "a holistic, systemic approach to education transformation and identifies the transformational qualities and strategies necessary across pedagogy and curriculum, leadership and governance, culture and infrastructure." At the bottom of the player, there is a progress bar showing "0:47 / 8:15" and various control icons like play, volume, and full screen.

GETideas + 訂閱 42 部影片 ▼

a holistic, systemic approach to education transformation and identifies the transformational qualities and strategies necessary across pedagogy and curriculum, leadership and governance, culture and infrastructure.

0:47 / 8:15

What is Learning?

In real estate, it's a business, it's differentiate."

In learning, it's a connection.

禮記學記：「獨



STAY CONNECTED



Facebook



YouTube



Twitter



Vimeo



Flickr



iTunes



Google+



LinkedIn

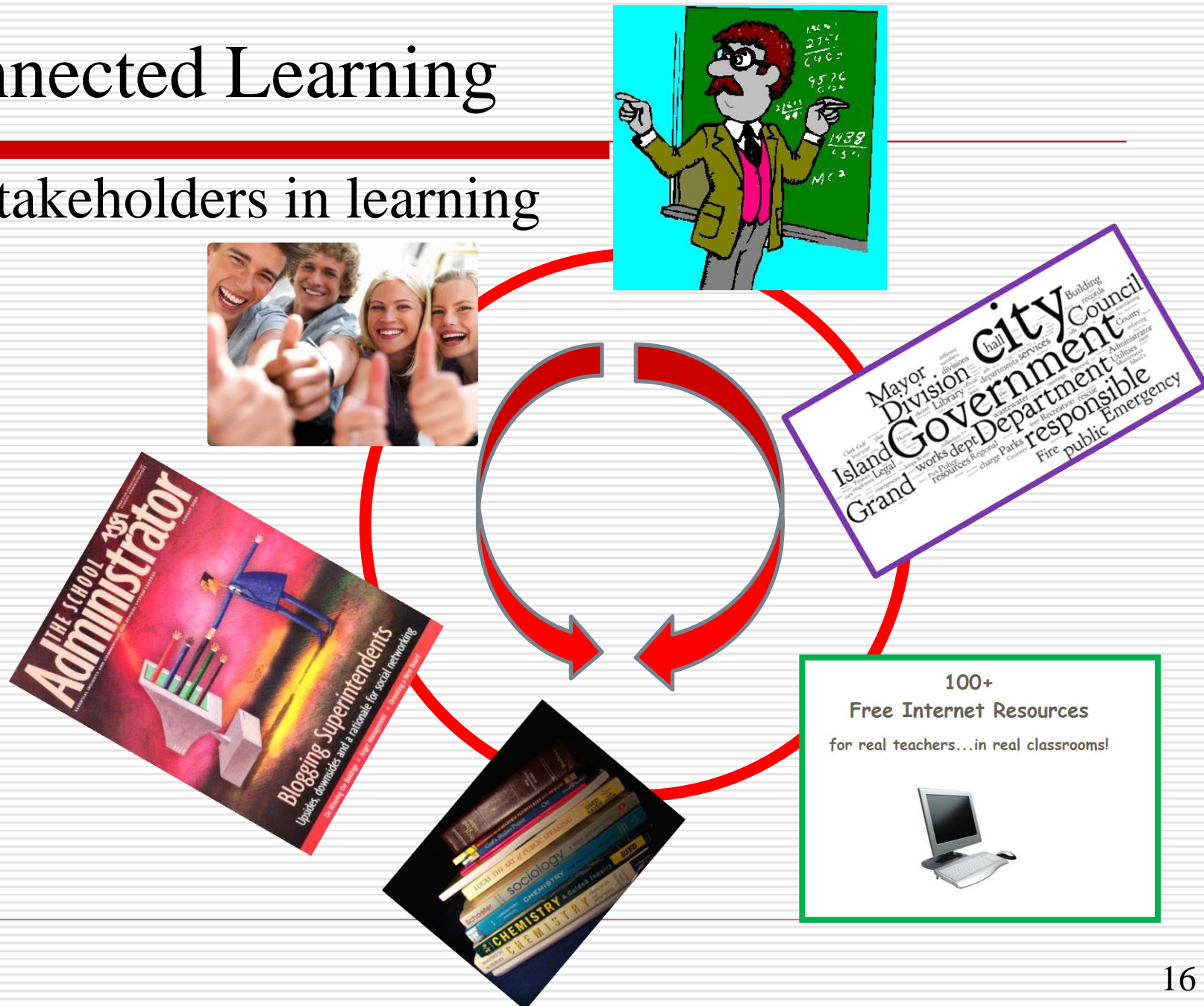
Q: What do you see as the biggest benefit of the Internet?

A: Hooking people together, intermediated by computing; hooking people to information, intermediated by a computer.

Connected Learning

Connected Learning

□ Stakeholders in learning



Connected Learning

- ❑ Students connect with other students.



Connected Learning

- Teachers connect with students.

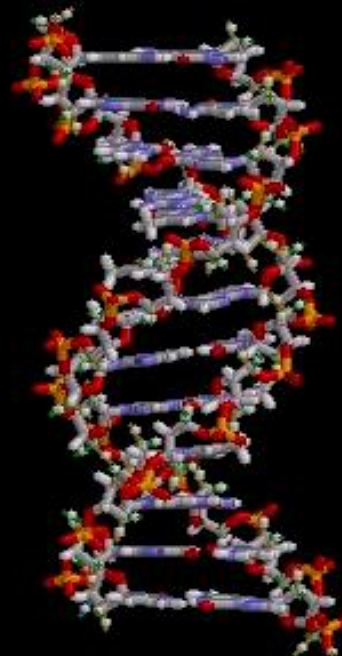
$$\frac{1}{4} + \frac{1}{4}$$



134,434,951 lessons delivered

KHANACADEMY

DNA
+
Deoxyribonucleic
acid

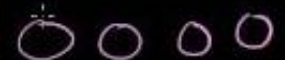


Euclid as the Father of Geometry

"the mathematical thoughts of God." - Euclid



Geometry





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to learn
to use SN like FB!**

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Connected Learning

- Teachers connect with other teachers.

The image shows a screenshot of the Facebook page for 'TeachingEnglish | British Council'. The page header includes the Facebook logo, navigation icons, and a search bar. The profile picture is a blue square with the British Council logo and the text 'TeachingEnglish Global Home for Teachers'. The cover photo is a collage of images, including a 'PIC-YOUR-WITS' graphic, a 'Global Home for Teachers' banner, a 'Nominated Best use of a social network 2011 Edublog Awards' badge, and a 'Global Home for Teachers' banner with icons. The page name 'TeachingEnglish | British Council' is displayed with a verified badge. Below the name is the category '教育' (Education). The page type is '塗鴉牆' (Public Wall). The sharing options are '分享' (Share), 'po 文' (Post), '相片' (Photo), '轉貼連結' (Link), and '影片' (Video). A post is visible with the text '留個言吧..... wonderful, however, there is a something so felt missing there. Education Technology, and technology issues, or I have'.

facebook 搜尋

TeachingEnglish | British Council 讚

facebook 搜尋

BRITISH COUNCIL

TeachingEnglish

Global Home for Teachers

塗鴉牆

TeachingEnglish | British Council 讚

教育

塗鴉牆 TeachingEnglish | British... · 所有人 (最新動態)

分享 po 文 相片 轉貼連結 影片

留個言吧..... wonderful, however, there is a something so felt missing there. Education Technology, and technology issues, or I have

Connected Learning

facebook



搜尋



STAY CONNECTED



Stanford University

335,337 人說讚 · 9,388 人正在討論這專頁 · 193,316 到過這裡

✓ 讚



Massachusetts Institute of Technology

91,968 人說讚 · 2,947 人正在討論這專頁 · 54,564 到過這裡

✓ 讚

訊息



Harvard University

1,671,611 人說讚 · 26,768 人正在討論這專頁 · 224,849 到過這裡

✓ 讚

訊息



Twitter

• Arne Duncan Follow



香港特別行政區政府 教育局

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[Twitterの活用について](#)

Facebook 

[mextjapan](#)

[manabipeer2011](#)



정책소통 SNS

긍정의 변화
이주호  

이주호 장관의 토요

교육과학기술부 GO
대표 블로그



학교폭력 피해학생, 치료비 ...



YouTube player interface showing a video titled 'DfE on YouTube' with a duration of 0:00 / 4:59.

➤ New Permanent Secretary for Department for Education

We are pleased to welcome Chris Wormald as the

Search

base contrast

accessibility

on.....



DfE on Twitter



ol and College
e Tables



Four Building Blocks of Educational Success

- 1 Increase access to global resources with a robust infrastructure
- 2 Develop 21st century college and career readiness
- 3 Foster strong professional development and support professional learning communities
- 4 Ensure effective use of data and accountability



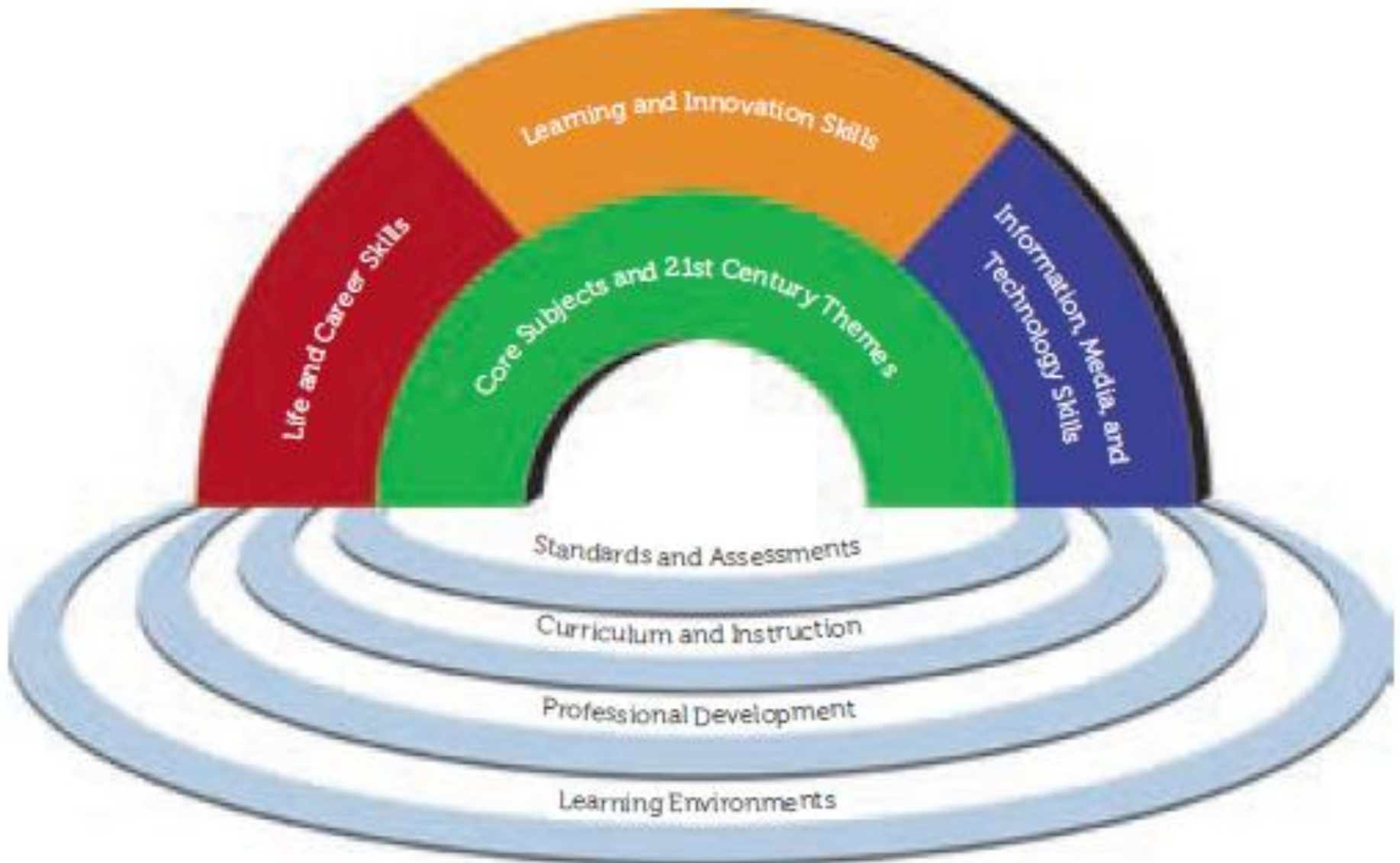


Policymaker roles

Policymakers have a key role to play in making this vision a reality. Specifically, policymakers can:

- Support high-speed broadband deployment and adoption so that every student, school, library, parent and community member can have online access
- Allocate dedicated funding for IT in education that will enable school districts to use funds on IT-related products, services and infrastructure
- Ensure that textbook funding may be used for e-textbooks and digital content, which are interactive and can be instantly updated

Connected Learning



Connected Learning

- ❑ Foster strong professional development and support professional learning communities

Policymaker roles

Policymakers can improve teacher quality by:

- Supporting programmes that provide educators with opportunities for professional development
- Ensuring access to professional learning communities
- Ensuring funding is allocated for educator ICT training to improve readiness for adoption of ICT facilitation in the classroom

Resources can extend far beyond classrooms, schools and districts, giving educators efficient ways to access expertise and information from around the world.

Connected Learning

- ❑ Ensure effective use of data and accountability

Effective data systems and accountability systems

Policy maker roles

Policy makers can help education stakeholders make more effective use of data and hold schools accountable by:

- Prioritising the development of comprehensive data systems that track individual students' progress from junior school to higher education to foster continuous improvement and personalise learning
- Integrating data analysis and use into educators' professional development to help ensure educators know how to access, analyse, and use data effectively
- Implementing balanced accountability systems

Conclusions

Conclusions

Students:

1. Active participants in and champions of their own learning
2. Collaborate with peers and teachers
3. Make more effective and creative use of the array of knowledge, information and tools inside and outside of school



Conclusions



Teachers:

1. Access and collaborate with their peers globally
2. Motivate and engage all students in learning during and beyond the school day

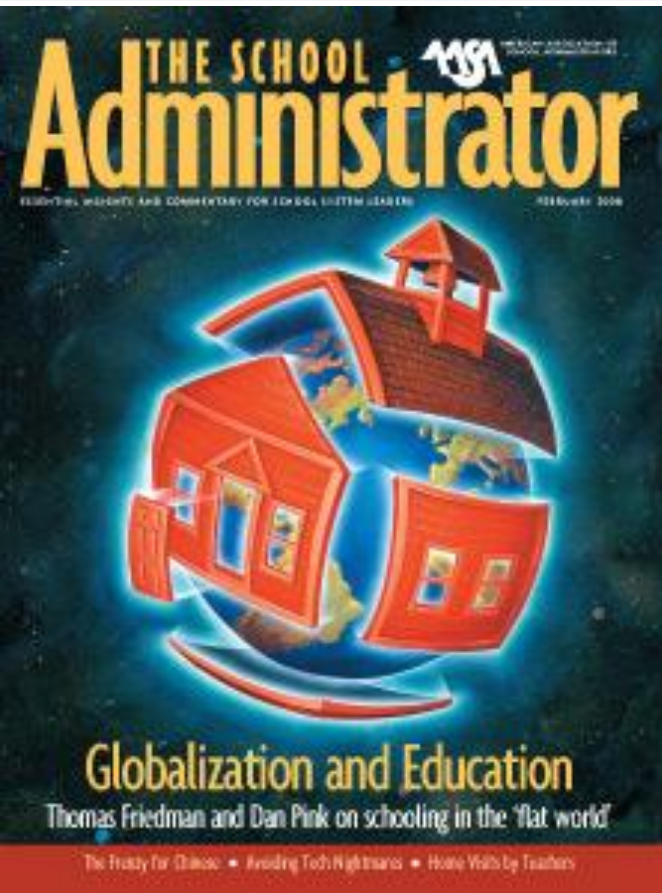
Conclusions

Parents:

1. Be informed advocates and partners in their children's education
2. Gain clear insights into learning progress



Conclusions



Administrators:

1. Improve management and productivity
2. Address student needs
3. Make the most of scarce budgetary resources

Conclusions



Policymakers:

1. Have better access to data to focus their support and investments in education with timely and relevant strategies

"Moving from the one-room schoolhouse to the one-world schoolhouse is now a reality."
Cisco Systems Inc.

*Dream how technology can not only
improve education but also
transform what we think of as education.*

— U.S. Secretary of Education Rod Paige

