



Developing ASEAN's Human Capital

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Socio economic transformation: *begins with Education*

Economic growth

Entrepreneurship

Technology

Social

Employability

*Nurturing
Innovation*

*Capacity
Building*

Education

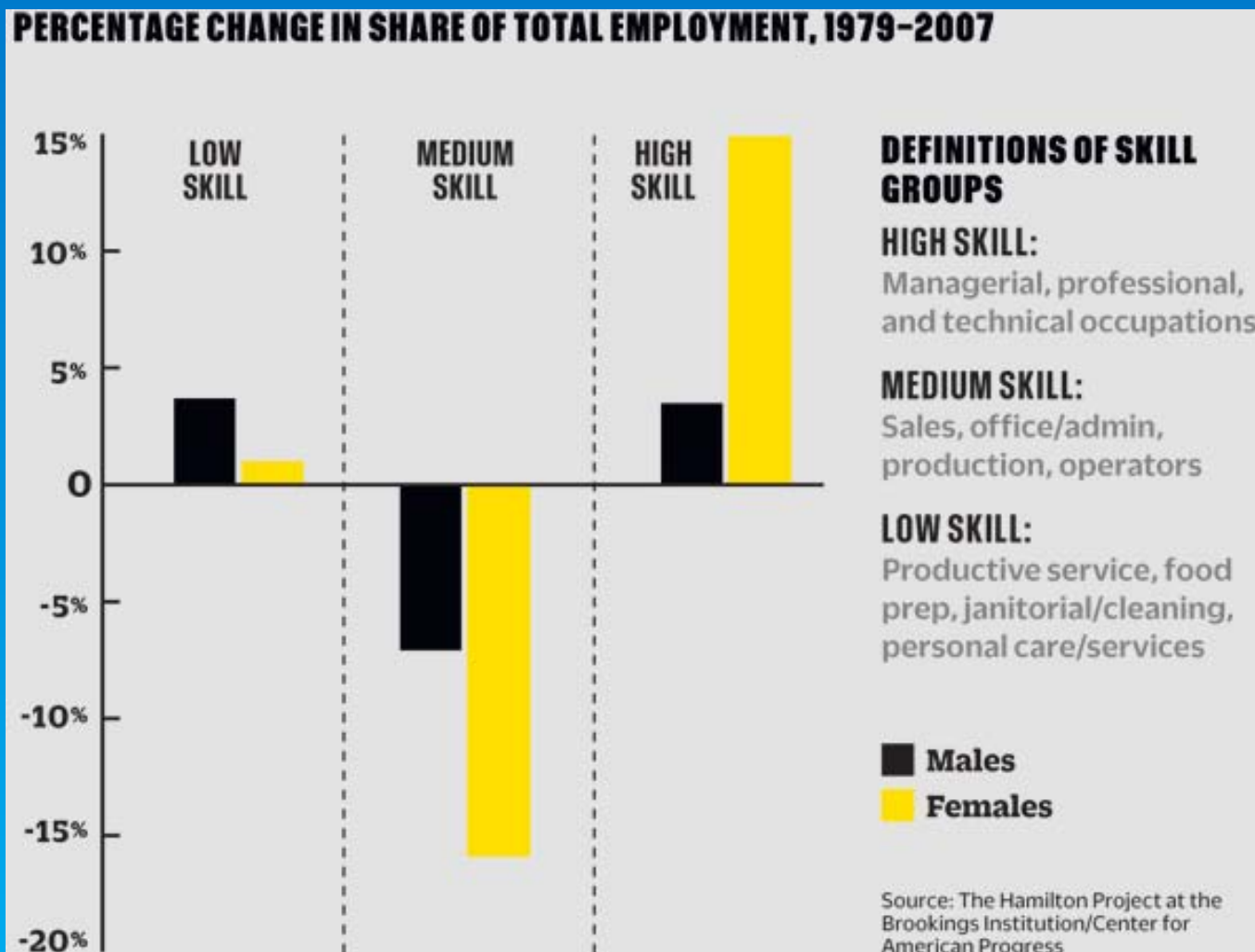
*Digital
Inclusion*

*21st
Century
Skills*



The future of work is *Knowledge Work*...

Marc Bernstein, PARC – Xerox Company



Future Knowledge Worker Skills

21 Century Skills

Top Ten for 25 yr olds		Top Ten for 26-40 yr olds	
1	Team/collaboration	1	Project management
2	Specialized technical	2	Strategic thinking
3	Analytics/modeling	3	Specialized technical
4	Entrepreneurial	4	Team/collaboration
5	Systems thinking	5	Systems thinking
6	Project management	6	General management
7	Strategic thinking	7	Knowledge management
8	Knowledge management	8	Entrepreneurial
9	International experience	9	International experience
10	General management	10	Analytics/modeling

Source: KMWorld Magazine Survey, posted Aug 2009 by Dan Holtshouse

<http://www.kmworld.com/Articles/News/News-Analysis/The-future-of-knowledge-workers,-Part-1-55779.aspx>

Future Technology Investment Priorities for Improving Work Performance

ICT Tools

Top Ten for 25 yr olds		Top Ten for 26-40 yr olds	
1	Collaboration tools	1	Collaboration tools
2	E-mail, search, portals	2	E-mail, search, portals
3	Virtual workspace tools	3	Content analysis, sense making
4	Info visualization tools	4	Business intelligence tools
5	Expertise locators, maps	5	Expertise locators, maps
6	Business intelligence tools	6	Virtual workspace tools
7	Content analysis, sense making	7	Lifelike video conferencing
8	Lifelike video conferencing	8	Info visualization tools
9	Intelligent software agents	9	Intelligent software agents
10	Machine learning tools	10	Machine learning tools



374M

**ASEAN citizen digitally
unreached**

Sources:

Internet penetration data: Nielsen report posted on <http://sg.nielsen.com/site/NewsReleaseJuly112011.shtml>

Population stat: http://en.wikipedia.org/wiki/List_of_ASEAN_member_states (most recent data)

Clearly, digital literacy is
fundamental to inclusive growth

Making it possible

Economic growth

Entrepreneurship

Technology

Social

*Tech Entrepreneurship
Intel Challenge
Social Innovation*

Employability

*Nurturing
Innovation*

*Capacity
Building*

*STEM
ISEF*

*Higher Education
-Curriculum
development
-Research*

Education

*Digital
Inclusion*

*21st
Century
Skills*

*Intel Learn
Easy Steps*

Intel Teach



ASEAN needs to transition from
being a *consumer of IP* to being
a *creator of IP*

Systematic education transformation to enable 21st century skills and learning outcomes



Some Recommendations

1. Initiate ASEAN wide Digital Literacy for All campaign with target of 20M increment by 2015
2. Set up an ASEAN wide Online Community for supporting information exchange and collaborations
3. Invest to create higher education capacity in ICT to spur innovation and workforce development

