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Education for the Knowledge Economy

Intel Education Workshop
UN World Summit on the Information Society
Tunis
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Global Transformations

One Global
Knowledge Economy

Workshop on Transforming Education with Technology

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Global Connectedness

- Increasing Connectedness = Increasing Competition
 - 3 billion people new to global economy in last 15 years



Enhancing Education for the Knowledge Economy

- **21st Century Skills**
 - **Technology and Media Literacy**
 - **Effective Communication**
 - **Critical Thinking**
 - **Problem Solving**
 - **Collaboration**



Spectrum of Learning

- **Keys to Success in the Knowledge Economy***
 - Knowledge Acquisition
 - Knowledge Deepening
 - Knowledge Creation
- **Depends upon**
 - Education policies
 - Teaching
 - Technology

* Framework created by Robert Kozma in paper prepared for Intel® Innovation in Education, "ICT, Education Reform and Economic Growth."

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Toward Knowledge Creation: Education Policies

Knowledge Acquisition

- Emphasis on quantity, not quality
- Success measured by standardized tests

Knowledge Deepening

- Deepening subject understanding and making subjects more relevant to the real world
- Learning is aligned with socioeconomic development goals

Knowledge Creation

- Builds on deep knowledge base
- Collaboration, creation, and sharing of knowledge

Toward Knowledge Creation: Teaching

Knowledge Acquisition

- Facts & concepts
- Assessment for accuracy
- Subject expertise

Knowledge Deepening

- Open-ended questions
- Cross-subject application

Knowledge Creation

- Flexible curriculum per student needs & interests
- Learning how to learn
- Focus on 21st century skills

Toward Knowledge Creation: Technology Usage & Infrastructure

Knowledge Acquisition

- Computer labs

Knowledge Deepening

- Used in classrooms for deep understanding of key concepts and principles, analysis, and sharing

Knowledge Creation

- Anytime, anywhere learning
- A principal tool in knowledge creation

Toward Knowledge Creation in:

Jordan
Turkey

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Public/Private Partnership

- Collaboration is the key
- Intel works with governments and educators to prepare today's students for the knowledge economy