



Cisco Networking Academy
Mind Wide Open

Cisco Academy Innovation in Teaching and Learning

WALID ISSA

AREA ACADEMY MANAGER - CISCO

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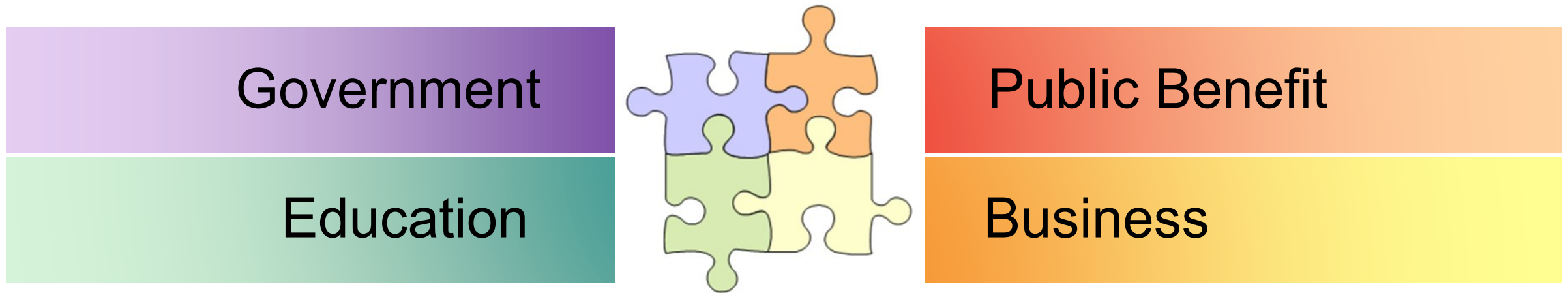
Internet and Education: The Two Great Equalizers

“Today in Education, things are changing...governments everywhere understand the link between strong education and strong society, economy.”

John Chambers,
Executive Chairman, Cisco Systems



Public-Private Partnerships Make It Work



Skills for the 21st Century

The Learner at the Center

Problem Solving and Decision Making:

- Hands-on labs and the Packet Tracer simulation-based learning environment for configuring and troubleshooting networks
- Challenging assessments, including chapter tests and skills based exams
- Problem-based interactive online activities and complex labs

Intellectual Curiosity and the Ability to Find, Select, Structure, and Evaluate Information:

- Challenge labs encourage exploration and research
- Real-world case studies give students the opportunity to structure projects that expand their knowledge
- Labs require students to organize information, consider alternatives and use higher-order thinking skills

Creative and Critical Thinking

- Packet Tracer allows students to explore concepts, conduct experiments, and test understanding
- Case studies present problems, projects and career activities students will encounter on the job
- Students can create their own activities, games, or virtual networks of any size with Packet Tracer

Collaboration, Communication, and Negotiation:

- Group lab assignments reinforce teamwork and communication
- Multiuser Packet Tracer activities require collaboration and coordination
- Realistic business scenarios provide practice in communicating and negotiating with customers

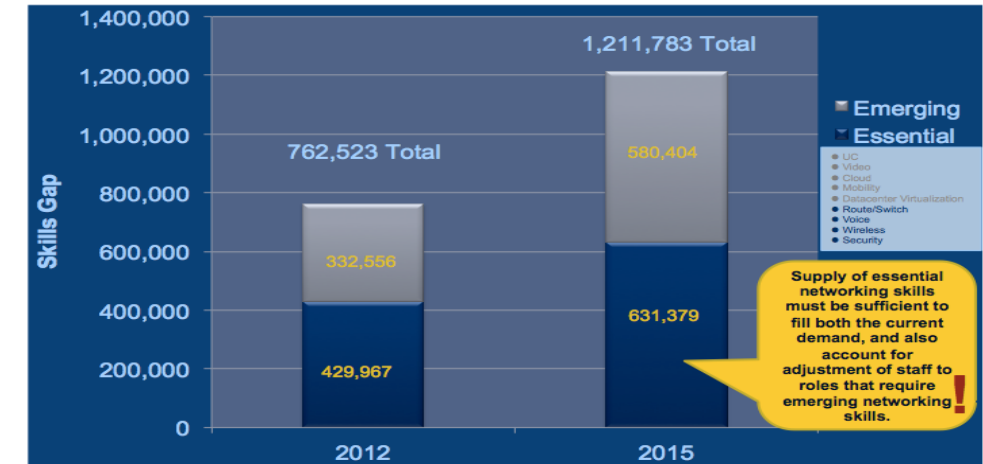


Industry Challenges: Skill Gap, Talent Mismatch and STEM Skills

- In emerging markets, IOE cannot take place without addressing the digital divide first.
- In developed markets, there's a need to educate workers but simultaneously educate the public so they're comfortable with IOE (especially when it comes to security and privacy).



Networking Skills' Gap Analysis: Fast Facts
Latam, Russia/CIS, MENA, APAC, China



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- Large skill gaps and unemployment issues throughout the world
- Challenges in filling existing IT and Networking positions (Entry & Advanced)
- Challenges will be amplified for jobs required in the IoE Economy
- Extremely important that Cisco drive future workforce readiness to capitalize on the new economy created by the Internet of Everything

The World Largest Classroom

Helps fill global demand for technology professionals and improves economic opportunities for millions of people.

Students attend courses at schools, Colleges, universities and Community centers

Students gain critical skills (Technical, Entrepreneurship & 21st century career skills).

Students prepare for Entry-level careers, Technical certifications, Entrepreneurship and Further education



Innovations in Teaching and Learning

Instant Feedback

Interactive online courses measure student comprehension with quizzes and activities, and provide detailed feedback



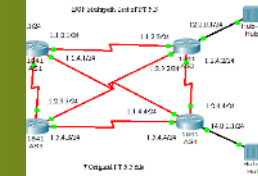
Gaming

Integrates virtual worlds, scoring and competitions (Cisco Aspire)



Simulations

Extend student practice beyond physical lab equipment (Cisco Packet Tracer)



Case Studies

Real world projects to practice business, financial, and career century skills (Entrepreneurship)



Social Media

Learning outside the classroom on NetSpace, Facebook and Twitter



The World's Largest Classroom - WW

Countries

170

Instructors worldwide

20,000

Students worldwide

5 Million

Online exams taken

100 Million

Academies worldwide

9000

Course languages

19



The World's Largest Classroom - MENA

Students

69,700 (33% Female)

Instructors

20,000

Students Since Inception

357,141 (32% Female)

Graduates

80,580

Academies

765

Course languages

19



Conclusion: Developing Critical 21st Century Skills

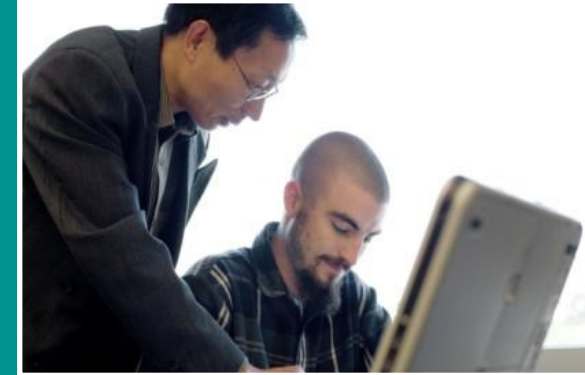
Technology Skills



21st Century Skills



Entrepreneurial Skills



What You Learn

- Networking
- Security
- Wireless
- Basic Computing
- Configuration

How You Learn

- Collaboration
- Community
- Communication
- Problem-Solving
- Initiative-Taking

How You Think

- Mindset
- Innovative Thinking
- Personal and Social Responsibility
- Business Management

Thank you.



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