WEBINAR ORGANIZED BY STEM ALLIANCE AND SCIENTIX

BRIDGING STEM GAPS AMONG STUDENTS GLOBALLY

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DIGITAL LIBERATION & UNTETHERED LEARNING
DELIVERING ALWAYS-CONNECTED EXPERIENCES

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Enabling a world where all learners are intelligently connected.
INCREASED DEPENDENCE UPON MOBILE DEVICES REVEALS NEW CHALLENGES FOR EDUCATORS

68% of teachers have students without safe and consistent connectivity outside of school

62% of school principals note the Homework Gap is a real challenge for their school

44% of teachers say device battery life is insufficient for classroom use

43% of teachers say device capacity does not support high bandwidth applications, such as videos
TRANSFORMING HOW THE WORLD CONNECTS, COMPUTES AND COMMUNICATES

Leading mobile innovation for over 30 years

Digitized mobile communications
Redefined computing
Transforming industries

Analogue to digital
Desktop to smartphones
Connecting virtually everything
NASA's helicopter powered by Qualcomm Snapdragon Processor
A LEGACY OF CONNECTING THE UNCONNECTED

FROM THE OFFICE OR CLASSROOM, TO ENTIRE CAMPUSES OR TOWNS, QUALCOMM ENABLES EVERYONE TO REIMAGINE THE WAY THEY STUDY, WORK AND LIVE THROUGH THE INDUSTRY-LEADING TECHNOLOGY, TOOLS AND LEadership NEEDED TO CONNECT, COMMUNICATE AND COLLABORATE MORE EFFICIENTLY AND EFFECTIVELY.
CONNECTIVITY CHALLENGES IMPACTING SCHOOLS

From instruction to learning, Always-Connected devices put the emphasis back on education.
BENEFITS FOR STUDENTS AND FACULTY

How stakeholders will see key advantages of an ARM-based computing environment

- Superior Battery Life
- Connectivity
- Simplified Management
- Performance
11:28 HOURS VS 4:30 HOURS

- Zoom video conference with screen sharing - vs a comparable Intel Celeron N4020

Snapdragon 7c compute platforms last up to 2.5x longer than the competition

Elapsed Time
04:30:54

66%
BENEFITS FOR STUDENTS AND FACULTY

How stakeholders will see key advantages of an ARM-based computing environment
CONNECTING CLASSROOMS FOR HYBRID LEARNING

- Digitized Classrooms and Libraries
- Access to High Quality Teaching and Content
- Always Connected Devices
- More Personalized Learning
- Learning Anywhere, Anytime
VIRTUAL AND AUGMENTED REALITY

Making remote teaching and learning more effective
Thank you!
QUALCOMM'S COMMITMENT TO STEM EDUCATION

NATALIE DUSI
CORPORATE RESPONSIBILITY MANAGER
QUALCOMM INCORPORATED
AT QUALCOMM, WE BELIEVE IN THE POWER OF TECHNOLOGY

1. Purposeful Innovation
We invent breakthrough technologies that enable life-changing products and experiences.

2. Responsible Business
We uphold the highest level of integrity, respect human rights, protect privacy, and sustain the environment.

3. STEM Education
We inspire the next generation of inventors to develop the workforce in STEM-related careers.

4. Our People
We make Qualcomm an inspiring and inclusive workplace to advance the development of leading-edge technologies.
QUALCOMM'S 2025 GOAL FOR STEM EDUCATION

Continue to foster the next generation of innovators by inspiring 1.5 million students and teachers across the globe through our STEM initiatives, by 2025

Progress towards 2025 goal: ~560,000 students and ~ 11,000 teachers/educators
OUR STRATEGIC STEM INVESTMENTS FOCUS ON FOUR PILLARS

- Bridge the STEM skills gap among students globally
- Engage women and underrepresented minorities in STEM fields
- Build STEM capacity among teachers and educators
- Leverage our employees as STEM ambassadors in our communities
WHY THESE INVESTMENTS MAKE SENSE FOR QUALCOMM

- Qualcomm has been investing in future workforce needs since our founding
- Demand of jobs in high tech fields will continue to grow
- 5G will enable economic growth and jobs that don't exist today
- Benefits to early engagement and mentorship, especially for under-represented minorities in STEM (Women and people of color)
INSPIRING THE NEXT GENERATION OF INVENTORS

Qualcomm® Thinkabit Lab™ Program Components

- Exploration
  - Students’ Unique Talents
  - World of Work
  - Speakerships

- Hands-on Engineering
  - Circuits
  - Wiring
  - Coding

- Invention
  - Addresses Real World Need
  - Engineering Design Process
  - Invention Pathway
HOW WE WORK WITH STUDENTS

- **FIRST**
  - World's leading youth-serving Nonprofit advancing STEM Education.
  - Operating in ~110 countries
  - [www.firstinspires.org](http://www.firstinspires.org)

- **VentureWell**
  - Cultivating a pipeline of STEM inventors and entrepreneurs through support, training and access to networks

- **Qualcomm Ambassador Program**
  - Connecting our employees with students around career and technical mentorship

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AFTER SCHOOL ENRICHMENT
SUMMER CAMPS/FIELD TRIPS
STEM COMPETITIONS
MENTORSHIP
STIPENDS/SCHOLARSHIPS
HOW WE WORK WITH EDUCATORS

- **Wireless Reach**
  Qualcomm program that brings advanced wireless technologies to underserved communities globally. Education programs all provide Educator Training on technology being implemented in classrooms.

- **Million Girls Moonshot**
  Seeks to engage 1 million more girls in STEM learning opportunities through a network of educators in all 50 states.

- **USS Midway Education Programs**
  Working with educators to bring virtual field trips to the classrooms free of charge.

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CAPACITY BUILDING

EDUCATOR TRAINING

THINKABIT LAB RESOURCE CENTER

FINANCIAL ASSISTANCE
HOW WE COLLABORATE IN THE ECOSYSTEM

Policy work

• Advocating for legislation that supports investing in and building a strong and diverse workforce
• Working with officials to create awareness of Qualcomm's solutions and positions on Education

Coalition building with stakeholders

• STEM Ecosystems – Throughout the US/STEM Alliance – Throughout Europe
• Leading with an Industry voice - Informing on skills needed for future workforce

Collaboration with other Industry partners and customers

• Bosch - Donor's Choose
• Xiamoi and Youren Foundation, Dow and Thinkabit Lab
Thank you!