

New Charter School Leaders Institute

June 13, 2018

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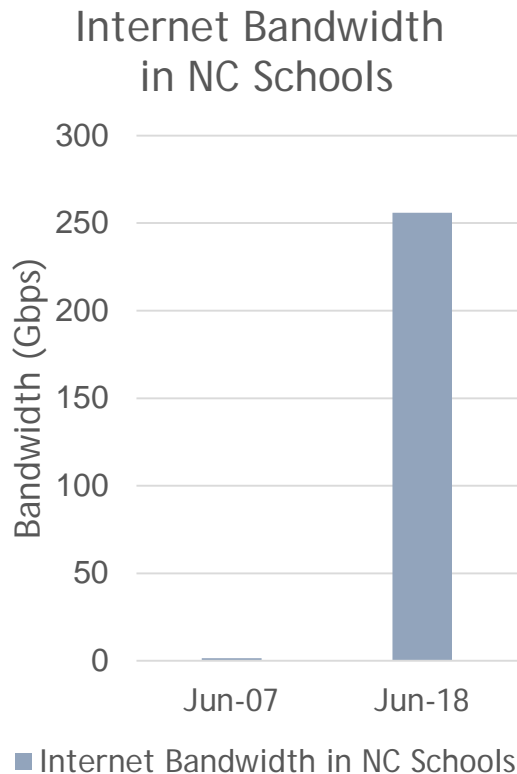
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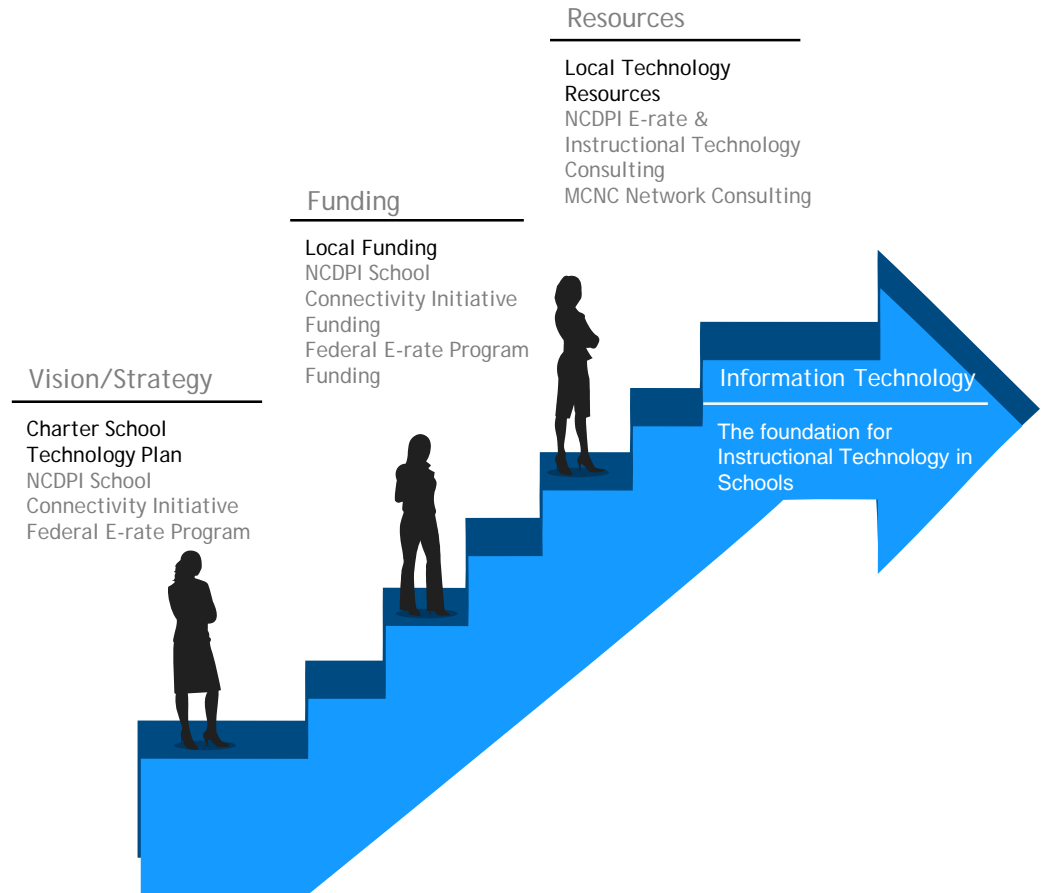
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The Past 11 Years...Internet in Schools



1.5 Gbps >>> 256 Gbps
Approximately 60% CAGR

What Does It Take?



N.C. School Connectivity Initiative (SCI) and MCNC

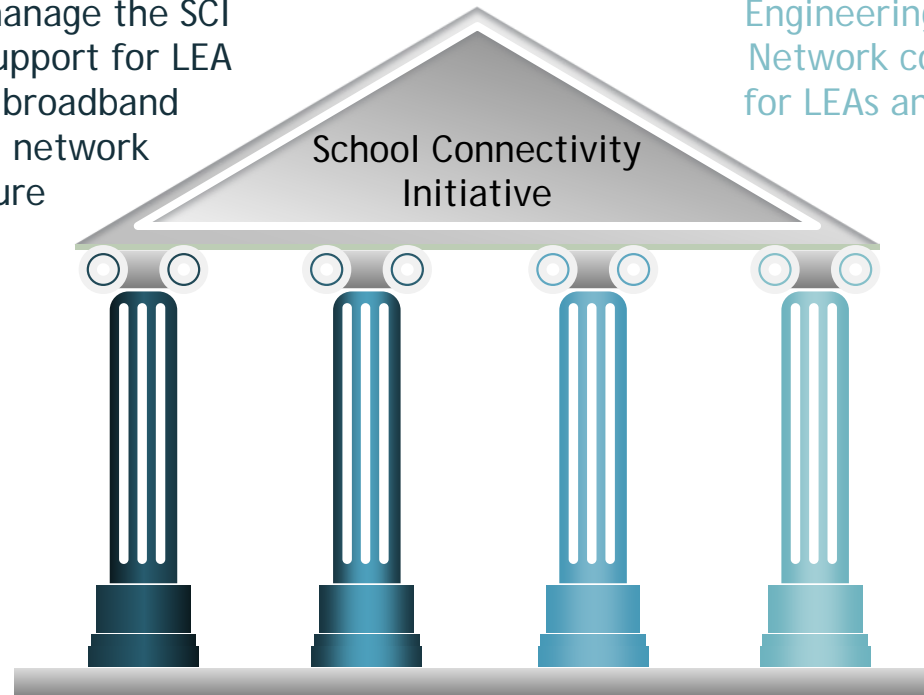


Governance & Funding

Maintain a Governance Structure and Funding Plan to manage the SCI and provide funding support for LEA and charter school broadband Internet access & network infrastructure

Network Consulting

Maintain Client Network Engineering (CNE) Services - Network consulting services for LEAs and charter schools



E-rate Consulting

Maintain an E-rate Filing Assistance Bureau - E-rate consulting services supporting LEAs and charter schools

Broadband Internet Services

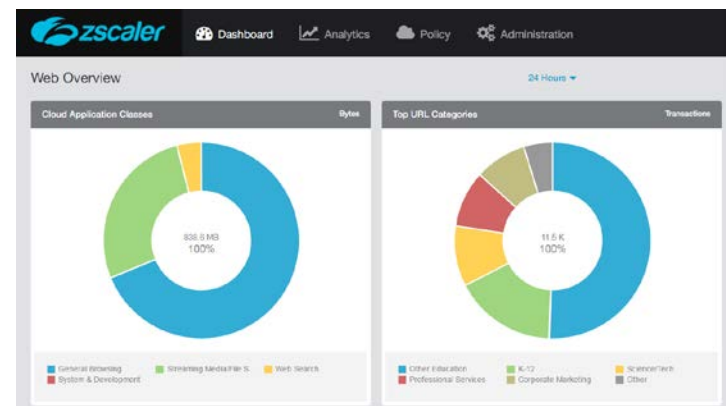
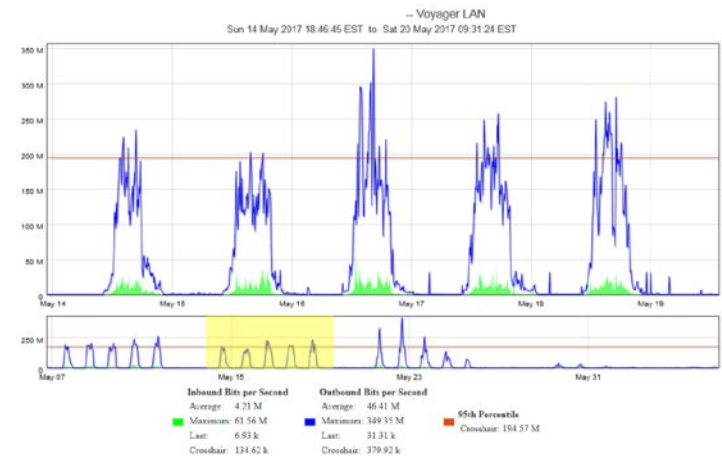
Expand the North Carolina Research Education Network (NCREN) to connect to all 115 LEAs and participating charter schools

K-12 Network Services Roles & Responsibilities

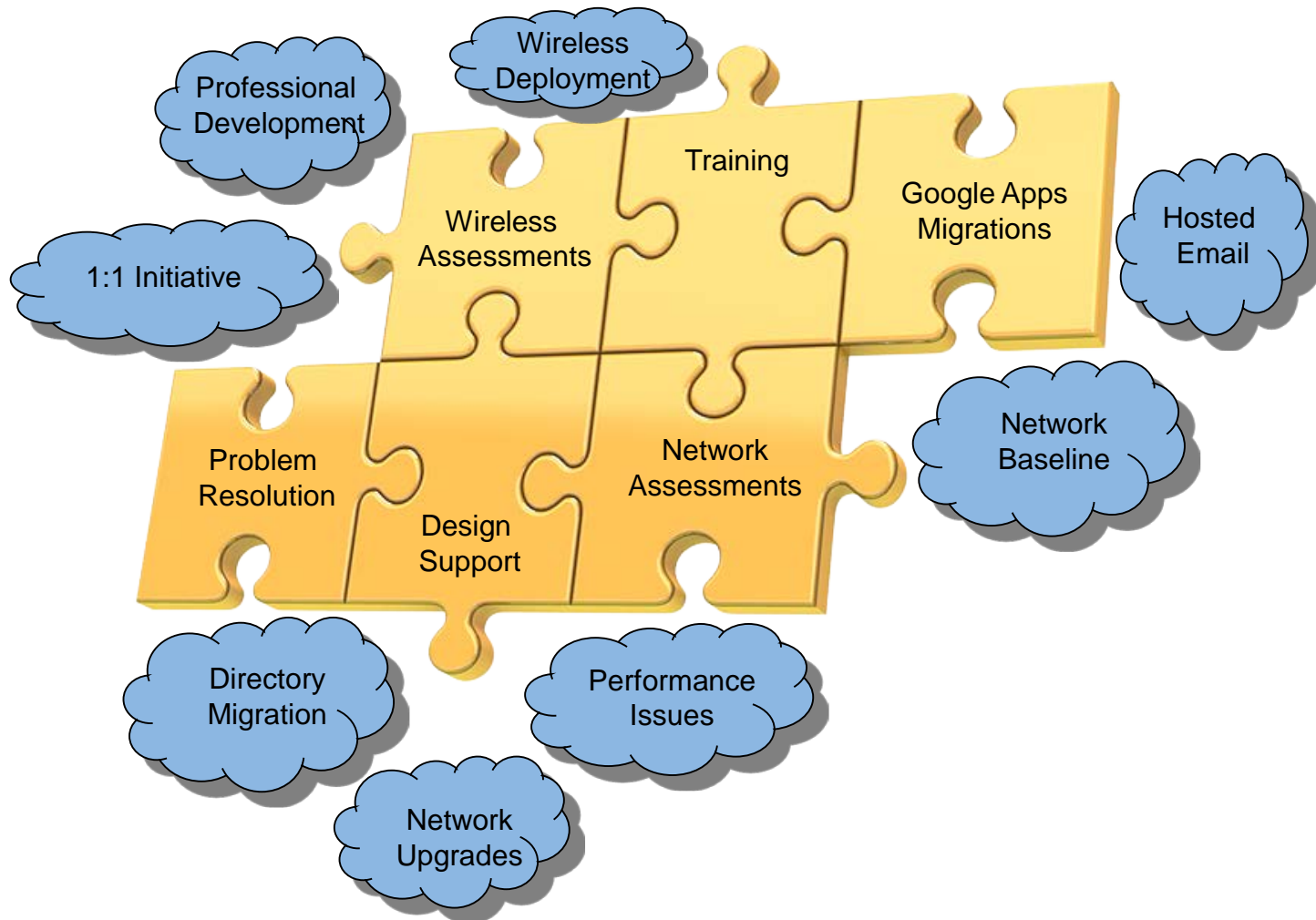


- NCDPI - governance, funding, program management, reporting, and some services (E-rate consulting)
- NCDIT - procurement, prime contractor (School Connectivity Initiative), and some services (last mile access & firewall)
- The Friday Institute - Strategy, and plan development and assessment
 - School Connectivity Initiative
 - NC Digital Learning Plan
 - Wireless Infrastructure Plan
 - E-rate modernization
- MCNC - Internet access, web security, and network consulting services, and service management

- Broadband Internet Access
 - Fiber-based Ethernet services: 100 Mbps to 40 Gbps
 - Threshold monitoring triggers IA bandwidth upgrades
- Cloud-based web security
 - Opt-in service for content filtering and malware protection
- Premise-based firewall
 - Opt-in service provided by the NCDIT



Client Network Engineering Services



Google Apps for Education



Client Network Engineering Services



"MCNC Client Network Engineers (CNE) received the "Making IT Happen" Award in recognition for their contributions to the successful integration of technology in education

This coveted award was presented on Friday, March 2, 2018 at the [North Carolina Technology in Education Society](#) (NCTIES) annual event in Raleigh - #NCTIES18.

Making IT Happen honors outstanding educators and leaders who demonstrate extraordinary commitment, leadership, courage, and persistence in improving digital learning opportunities for students. The CNE consulting team at MCNC works directly with schools to help ensure they have all the essential technological tools for their classrooms."