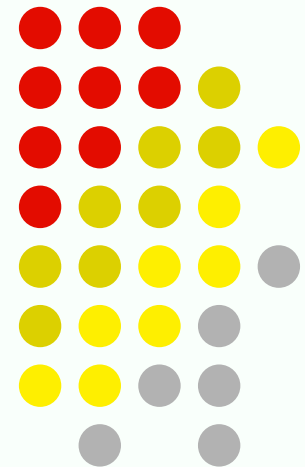


Information Technology Making a Difference in Children's Lives

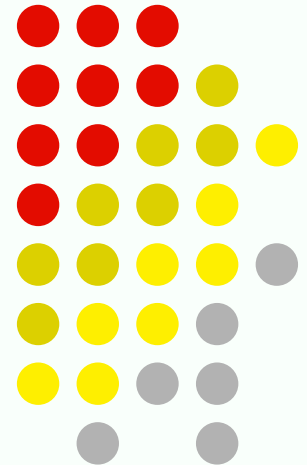
APT 2008 Brown Bag Lunch Series
May 15, 2008



About The Children's Partnership

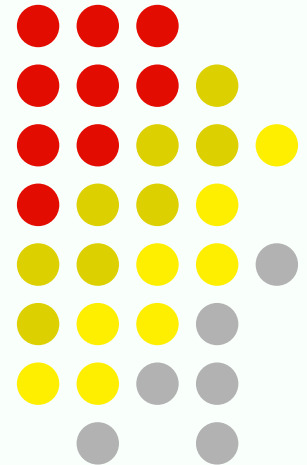
For more than a decade TCP's has been:

- Advocating for children in a technology-driven society (not technology for the sake of technology)
- Providing research and development on technology issues for children



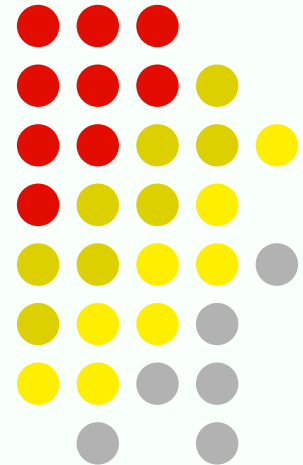
Our Goals for Today

- To learn why technology and broadband matter for children and families
- To hear about TCP's Digital Opportunity for America's Children Agenda



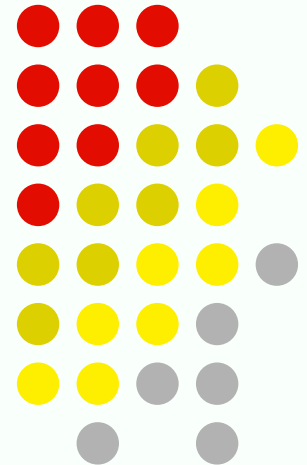
Why Does Information Technology and Broadband Matter to Children?

- **Technology and broadband are shaping our children's lives and what is expected of them -- 21st century digital literacy skills**



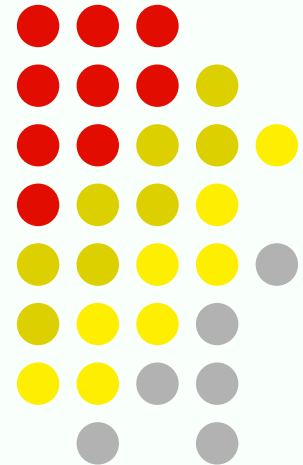
The Good News: America's Children Are Connected

- 77% have a computer in the household
- 67% connect to the Internet from home
- 26% have broadband at home
- Technology and broadband are providing children with new opportunities in educational achievement, workforce preparation, health care, and civic engagement



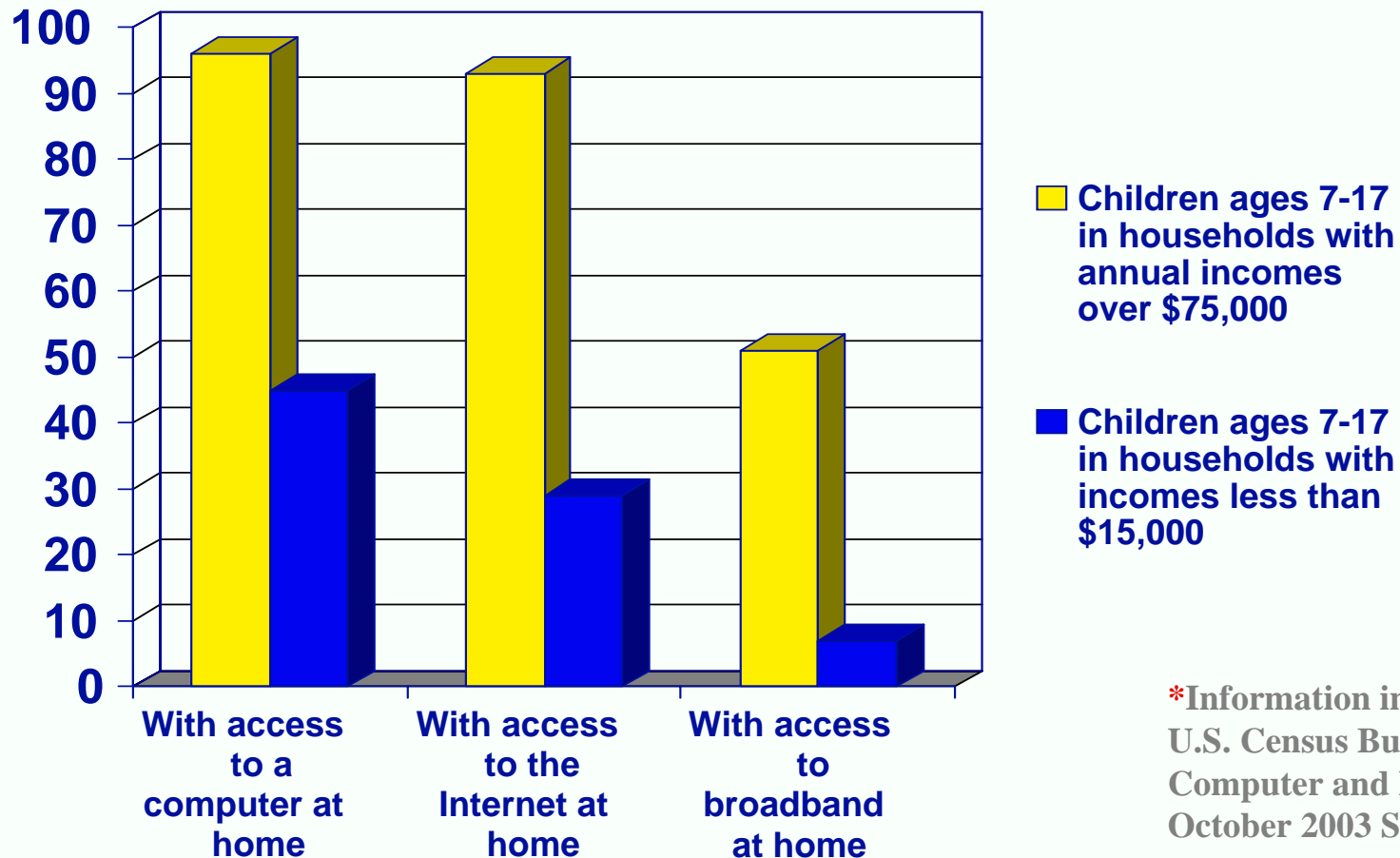
The Bad News: Disparities Still Exist

- Home Internet access among children ages 7 to 17 varies widely by ethnicity
- Just 41% of Native American youth, 43% of African American youth and 44% of Latino youth have access; compared with 75% of Asian Americans and 80% of white youth
- Technology and broadband can reshape how programs that serve children and families improve quality and accessibility

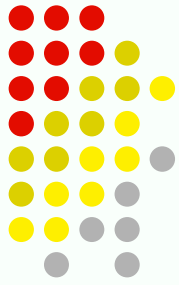


Digital Disparity

Children's access to digital tools is not equal



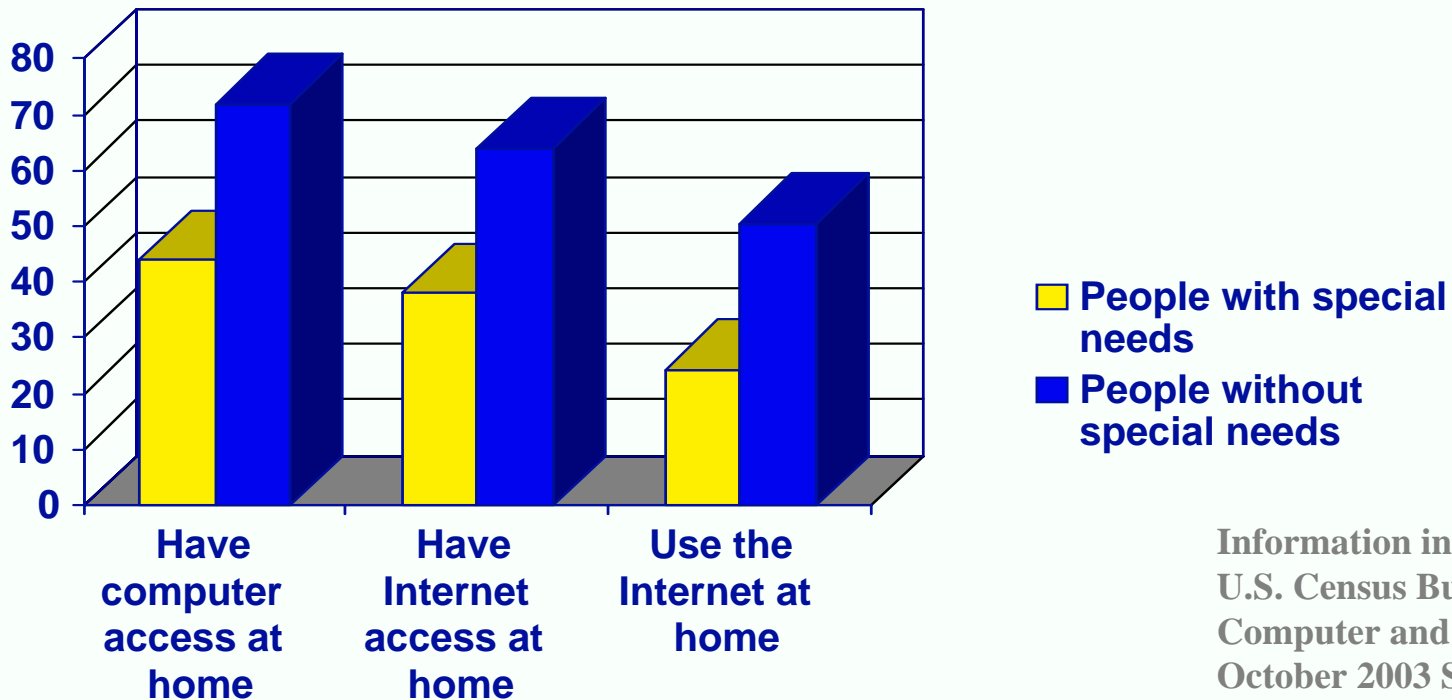
*Information in this chart from U.S. Census Bureau's Computer and Internet Use October 2003 Supplement.



Special Needs Children

Children with special needs, who could benefit the most from technology, tend to have the least access.

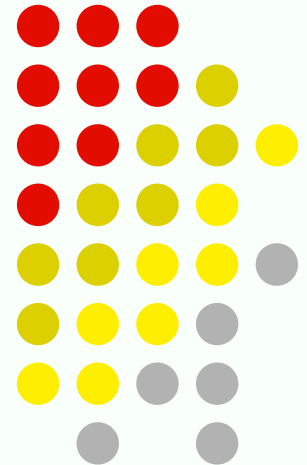
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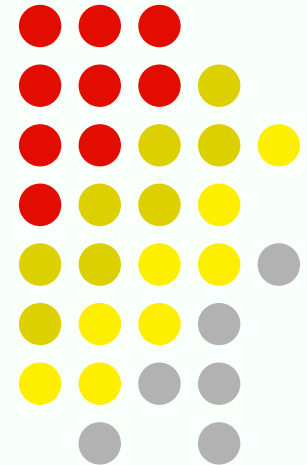
How Can Information Technology and Broadband Access Increase Opportunities for Children?

- Health
- Education
- Workforce preparation
- Civic engagement



Child Health

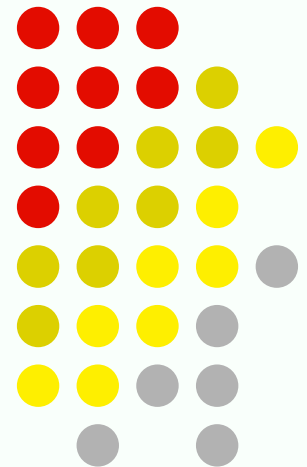
- Telemedicine
- Disease management
- E-enrollment



Telemedicine: Rochester, NY, Study

Absences Due to Illness (ADI) in five child care centers

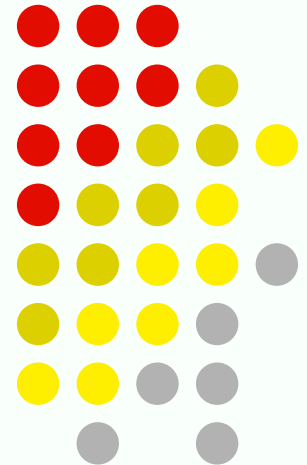
- Involved real-time and store and forward information exchange between a child and telemedicine assistant in child care and an office-based telemedicine clinician
- 63% reduction in ADI, 91% of parents reported that it allowed them to stay at work and 94% of problems handled through telemedicine would have led to a doctor or ER visit



Telemedicine: TCP & UC Davis Pilot Program

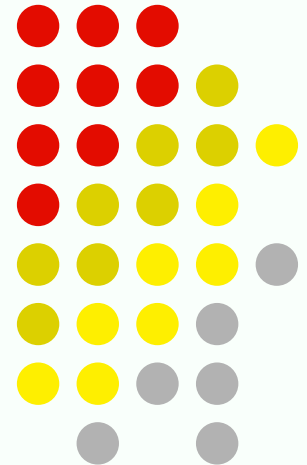
School-based Telemedicine Project

- Gathered information on telemedicine projects and looking for partners to build several pilots in CA beginning with a mental health telemedicine initiative in two schools



Education: Technology Goes Home program

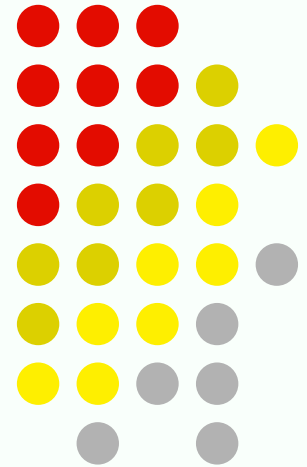
- Technology Goes Home is technology training program that has served 3,500 inner-city families over nine years through Boston Public Schools
- 80% of the kids graduating from the program went to college, compared to the district average of 65%
- Companies including Fidelity and JP Morgan hired over 500 program participants for paid internships



Education: TCP & CETF Pilot Program

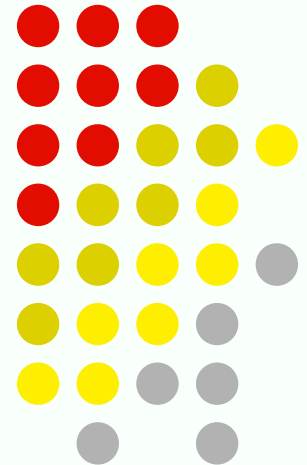
100% Up-To-Speed

- 100% Up-To-Speed will deliver broadband-connected computers, educational applications and digital literacy training to low-income families with children attending underperforming middle schools
- CA Governors Broadband Task Force



Economic Opportunity: Workforce

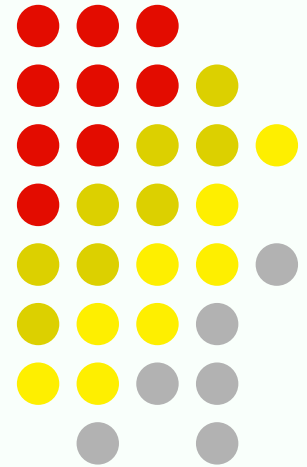
- 89% of Fortune 500 companies recruited through their company's career Web site
- 34% of them did not offer the option to apply offline for the jobs posted on their sites



Economic Opportunity: TCP & CCTPG Pilot

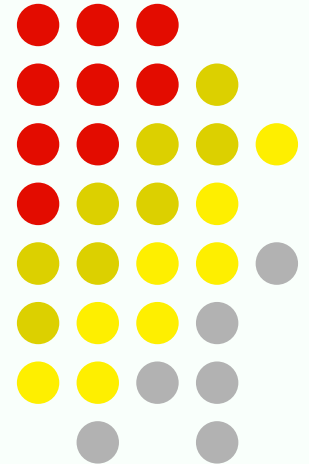
Pathways to Our Future

- CA WIA grant - *Pathways* provided job readiness and technology skills to 167 of the most at-risk youth in CA
- Through nine community centers across CA, students learned graphic design, web development, video production, and digital art
- Acquired marketable skills and learned how to apply for jobs resulting in half of the students securing internships or jobs



Civic Engagement

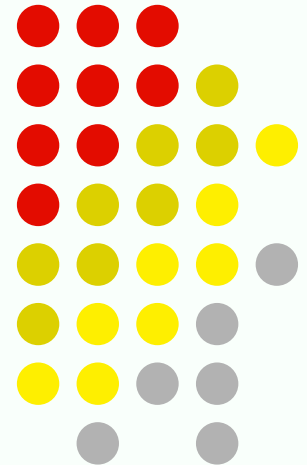
["Why Does Technology Matter for Youth?" video by technology students](#)



TCP Digital Opportunities Agenda for America's Children

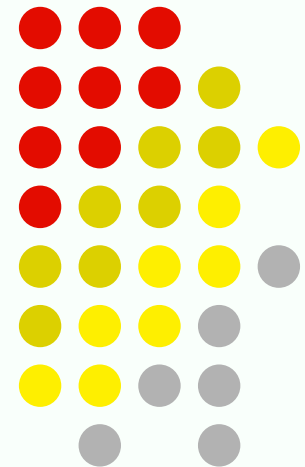
Three-Point Action Plan:

- Provide 21st Century Skills
- Put Technology to Work for Children
- Bring Technology Home



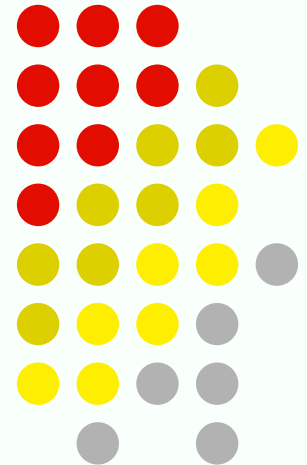
Equip all Children with 21st Century Skills

- Establish 21st century skills for children and youth as a national priority
- Make education technology more available - (EETT) block-grant program
- Use out-of-school time to train young people in the use of technology



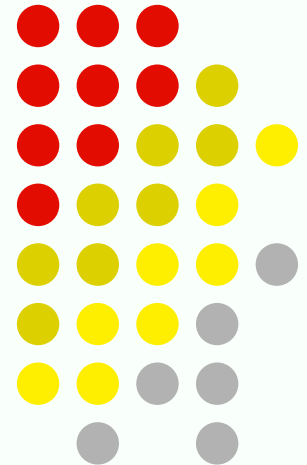
Put Technology to Work for Children

- Use E-Government efficiencies to benefit families and children (ELE & Smart Enrollment)
- Develop applications to improve children's health (Telemedicine & HIT applications)
- Stimulate research & development (TOP 2.0)



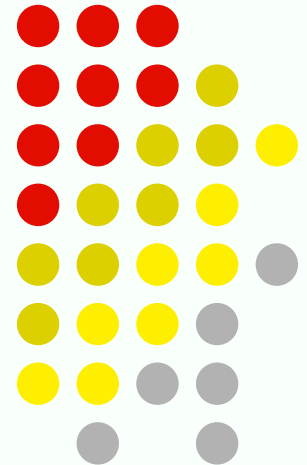
Bring Technology Home

- Home computing
- Teach digital opportunity and Internet safety skills to parents
 - Parents Online Program



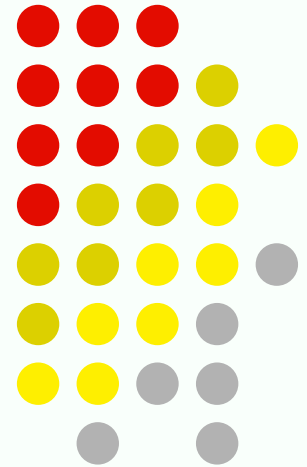
What Do We Need?

- We must invest in information and communication infrastructure
 - E-Rate program
- Increase the funding set aside for teacher professional development



What Do We Need?

- Establish universal broadband as national goal
- New metrics for measuring broadband that are easily updated to reflect evolving speeds
- Track broadband by collecting data at both the five and nine-digit Zip code levels
- Make data available to the public



For More Information

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www.childrenspartnership.org

