

Chicago teachers working to establish collaborative endeavors and partnerships for reforming and transforming STEM education for ELs.

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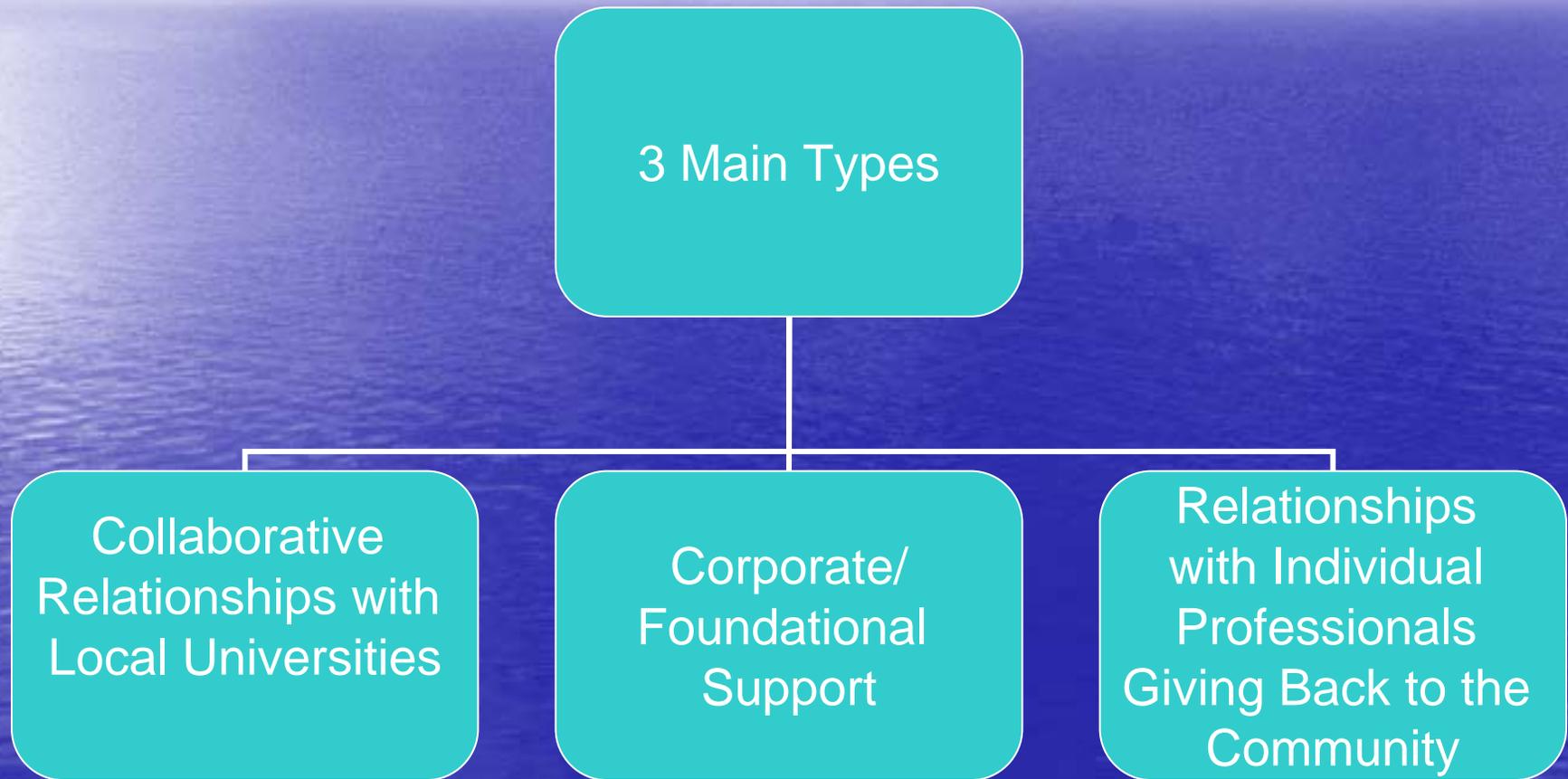
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# Successful Partnerships with Chicago Public Schools (CPS) To Enhance EL STEM Learning



# Academia Outreach With CPS

- University of Illinois Watercamps: Engineers Without Borders Program/Teacher PD
- Northern Illinois University: Bernard Harris Summer Science Camp/ OEDG Teacher Study Abroad Program/Teacher PD
- Argonne National Laboratory: After-School STEM Club/Teacher PD



# Corporate & Foundational Support

- Motorola Foundation:  
Engineer for a Day Program
- James Dyson Foundation:  
"Young people have an innate inventive streak. They're not stifled by experience – they take risks and are excellent problem-solvers. They fail everyday – exactly the making of a great engineer. We're encouraging children to use their hands and heads, make mistakes and learn."
- Oppenheimer Family Foundation
- [www.donorschoose.org](http://www.donorschoose.org)
- Chicago Foundation for Education



# Partnerships with Individual Professionals



# Public/Private Partnerships (Impacts and Best Practices)

## Background:

- The dialogue is primarily based on Personal experience
  - Private Individual
  - Corporate/Professional career

## Observation:

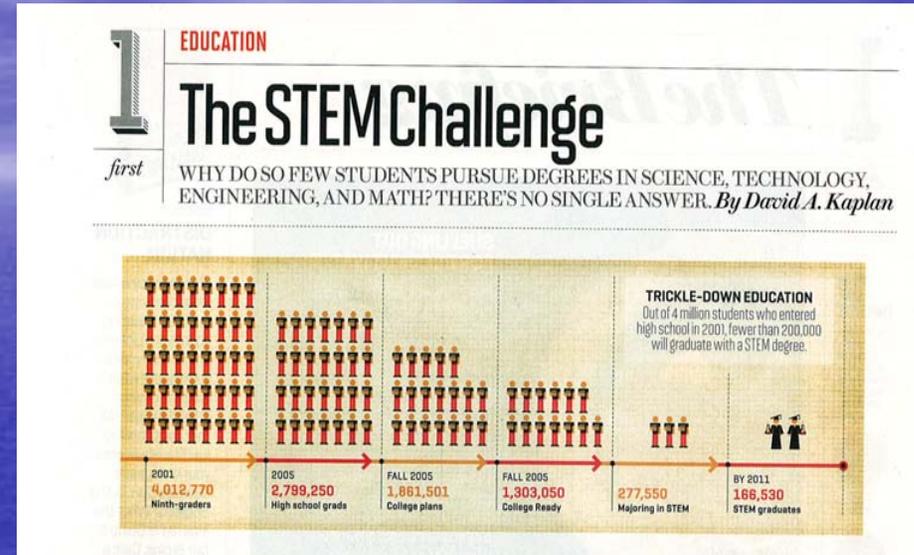
Partnership /Engagement must occur at all levels but is critical at early stages of schooling

Success is combination of partnerships among Students, Teachers, Parents, Professionals

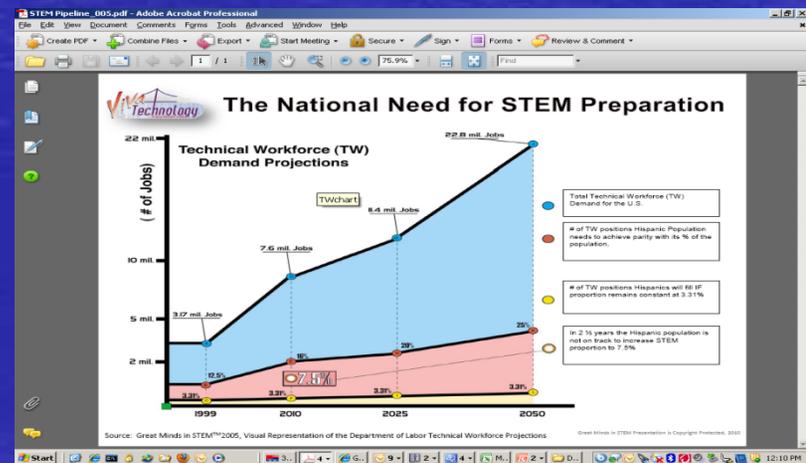
## Personal Mission:

[National Endowment for the Arts: a great nation deserves great art]

RB Slogan: A leading nation *requires* technological leadership



Source: FORTUNE Magazine, Summer 2010



# Public/Private Partnerships

## (Impacts and Best Practices)

### What do Partnerships bring to the Education Equation

- Exemplary 'successful' individuals  
Visibility to some similar backgrounds(gender, ethnicity, race, language, neighborhood, etc...)
- Mentorship- after school support(Tutoring, English teaching,...)
- Speakers
- 'Connections' with professionals who share commitment/have passion for success
- Trips/visits/activities for students in a corporate environment
- Professionals who are parents and can relate/engage other parents(college preparation series, importance of technology in children's future..)

# Public/Private Partnerships (Impacts and Best Practices)

Best Practices observed( for successful result driven partnerships):

- Corporate Commitment to STEM:
  - walk the talk approach
  - -existence of a 'culture' of community participation/giving back from the top
  - Volunteerism/giving back recognition
  
- STEM Outreach Component
  - Donations to STEM programs
    - Ease of accessibility by organizations seeking resources( capital and human)
    - Clearly defined rules for grant awards
    - Internal Volunteer Outreach component: Communication and ease of volunteerism among the professionals
  
  - STEM 'driver' within Corporate World
    - Professional(s) who are directly reachable
    - Professionals who go above and beyond  
individuals are throughout organizations and need to be 'found'
  
- Networking