NMTC K-12 MOU
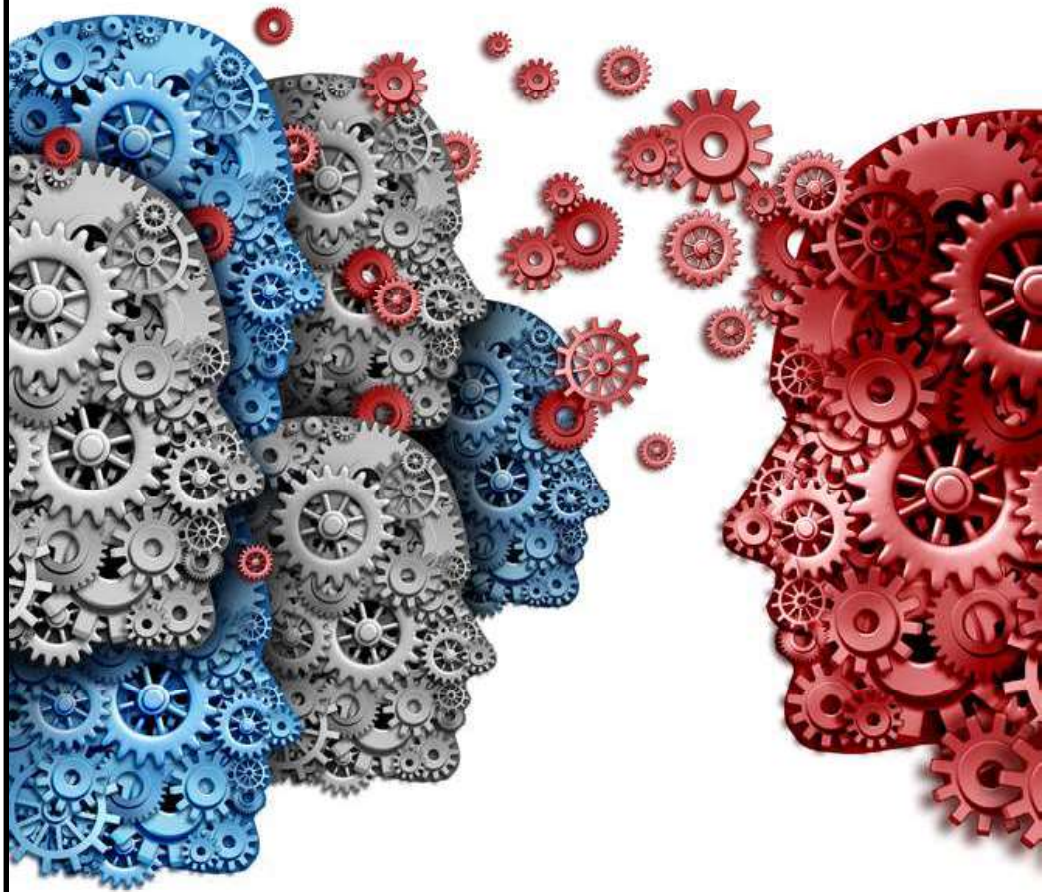
Building Capacity on Purpose ™

School Board Governance

National Minority Technology Council

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NMTC K-12 MOU

School Board Governance

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PARTNERSHIP

Industry | Education Partnership in Excellence

The National Minority Technology Council (NMTC) invites Public School Boards to engage in a two (2) year Design-Based transformational collaboration. This document is our primer for Phase 1 of a 4 Phase roadmap to efficient school board governance that utilized enterprise grade techniques and technology. Our Research-Based methodology may attract additional funding and recognition from Federal, State, and Industry/Philanthropic Foundation Stakeholders interested in mitigating poverty and bolstering the value of education as an economic engine. NMTC School Board Stakeholder Membership is required to participate in our Governance MOU offering.

effective

performing or functioning in the best possible manner with the least waste of time and effort; having and using requisite knowledge, skill, and industry; competent; capable. (Dictionary.com)

Data-Driven Education Decisions

Inspect What You Expect: Governing with standards and metrics

Our education system is coming in alignment with the needs of the 21st Century. Industry can no longer hope for what it is not willing to work for. We cannot hold School Boards accountable for what they are not doing, if we are not willing to partner with them and share how we manage expectations and goals. Educating our children is quite frankly more important than securing the privacy of our credit cards.

We need to provide our education stakeholders with our best in order for us to get the best from them. We must answer the call and provide our School Boards with our most valuable human capital, our time. School Boards must all work to create excellence on purpose, utilizing the best tools, expecting maximum results, continuously reporting and monitoring on operational metrics, so success, as determined by the Board, will be achieved.

The National Minority Technology Council, starting with our urban schools, pledges the expertise of our most accomplished members. We, as an industry of minority owners, recognize the struggle it took for each of us to get where we are independently. As a group we will bring to bear an army of capable souls who have a desire to give back and also to create a new market of opportunity and excellence. For us this is personal! As an industry we already employ over 500,000 people. Our growth is predicated on our ability to generate the trust in our community. This movement promises to change the script from truant and dropped-out to engaged and employed.

We certainly recognize the sovereign power of the over 14,000 school boards located across the nation. We recognize the need for governance, accountability, and transparency. We recognize the need for industry grade systems to manage objectives, policies and outcomes, keeping Superintendents accountable to the standards each school board approves as a governing body. Our Enterprise School System™ methodology and nationally recognized enterprise grade tools will provide governance and accountability for our children and parents on purpose, now.

Karl Cureton
Chairman & CEO
National Minority Technology Council

NMTC K-12 MOU
The Governance of Education
Case for School Board Control

Education is the very bedrock of our society. The Federal government has codified risks from high drop-out rates both from economic loss of production and revenue, and risks of any intentional or un-intentional dehumanization of our citizenry. In order to understand the use case of public good, or more specifically education, there needs to be a longitudinal stakeholder analysis completed to determine actors and dependencies.

The National Minority Technology Council (NMTC) embarked on an empirical journey into the inner workings and decision-making process of multiple school board. Specific situational assessments, charrettes, one-on-one discussion has led our researchers to surmise the need for governance. In fact, our recommendation of the implementation of a "by-School-Board" enterprise governance, risk and compliance system has gained interest from federal and state government, and by some of the largest corporations. The major precept of our

investigation was based on NMTC's understanding of the new citizen demand, particularly on urban and rural school divisions. Our Enterprise School System approach to board level measurement and reporting brings the rigor of industry to assist in girding up the constitutional rights of the citizens the School Board members serve.

We begin with excellence and data-driven decision making tools and pedagogies. Our mission-focused methodology brings the iterative process of governance to the creative context of learning. Generating a safe, relevant, student/parent (caregiver) focused and productive school system demands rigorous structure and continuous monitoring. Large School systems (+5,000 students) require even greater precision with regards to data-collection and analysis. Our view into the K-12 education system begins with a design-based approach to education governance.

Design-Based Approach
Creating a Nation of Producers™

Barnett Berry, CEO, Center for Teacher Quality was quoted in Education Week. "Twenty-first-century learning means that students master content while producing, synthesizing, and evaluating information from a wide variety of subjects and sources with an understanding of and respect for diverse cultures. Students demonstrate the three Rs, but also the three Cs: creativity, communication, and collaboration. They demonstrate digital literacy as well as civic responsibility. Virtual tools and open-source software create borderless learning territories for students of all ages, anytime and anywhere. Powerful learning of this nature demands well-prepared teachers who draw on advances in cognitive science and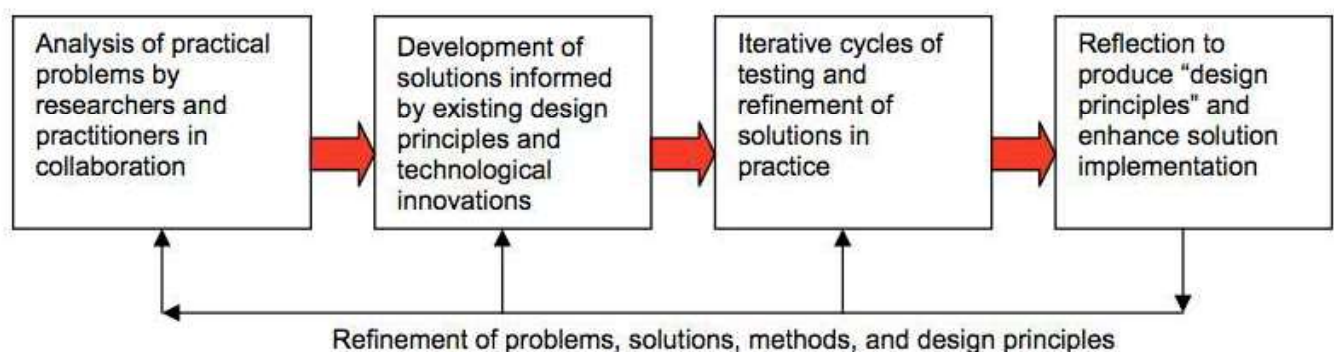 are strategically organized in teams, in and out of cyberspace. Many will emerge as teacherpreneurs who work closely with students in their local communities while also serving as learning concierges, virtual network guides, gaming experts, community organizers, and policy researchers." Our strategy brings a balance between industry based operational rigor and the creative and nurturing yet disciplined process of learning. School Board decisions directly impact our communities. Our respect for the constitutional reality of public education coupled with the crisis nature of "failing urban schools" requires acute critical thinking and governance that can only result from proven frameworks. NMTC believes School Boards would benefit from our comprehensive view of governance.
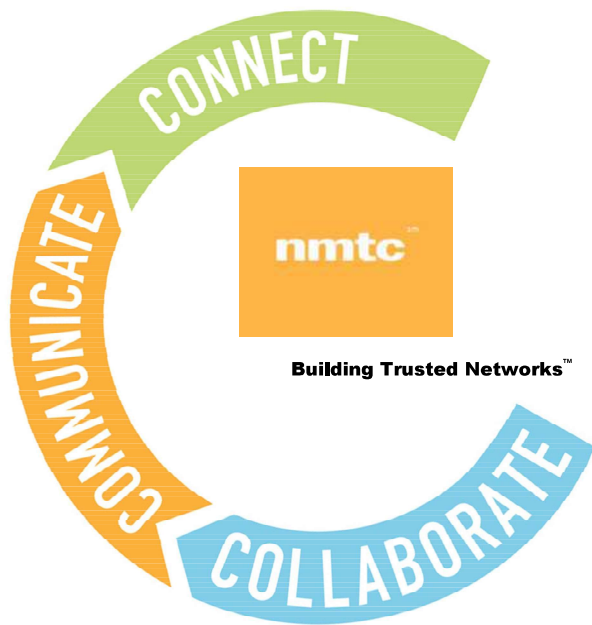
Design-based research

Analysis of practical problems by researchers and practitioners in collaboration → Development of solutions informed by existing design principles and technological innovations → Iterative cycles of testing and refinement of solutions in practice → Reflection to produce "design principles" and enhance solution implementation

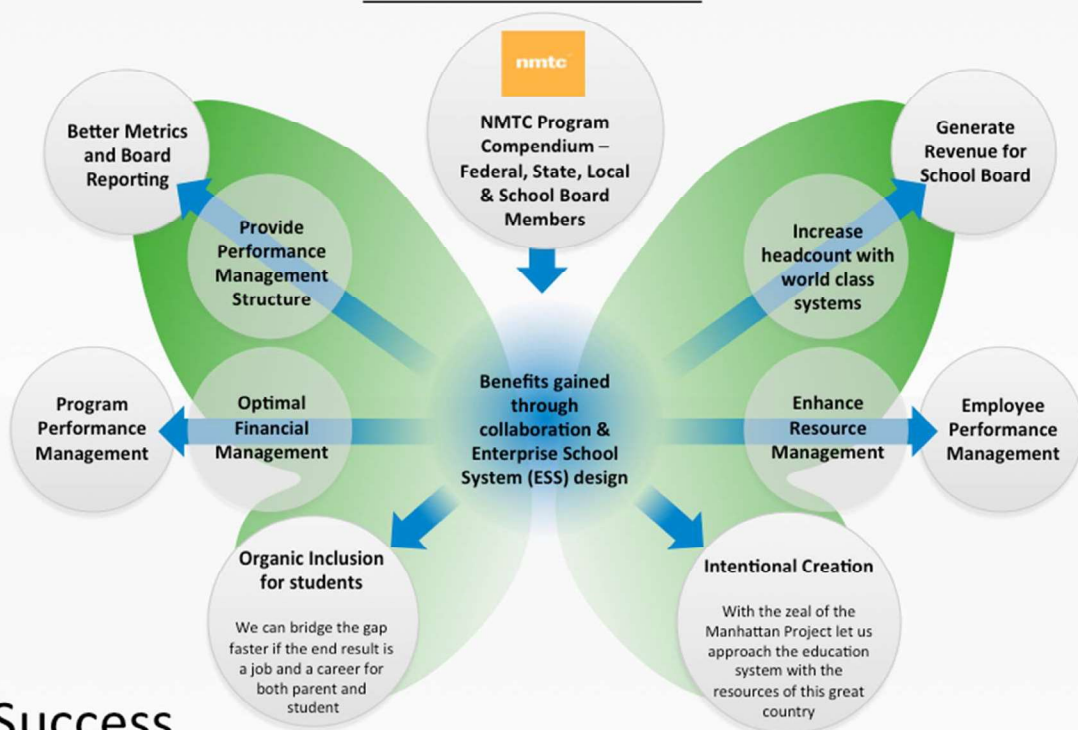Refinement of problems, solutions, methods, and design principles

An August 2013 report from US Dept. of Education, Institute of Education Sciences and the National Science Foundation outlined the Common Guidelines[1] that are expected to be used by education researchers, materials developers, project and program evaluators, and others. The Common Guidelines also may make the public more aware of the agencies' goals for investments in education research and development to achieve immediate and long-term improvement of education and learning.

One of the major methods, Design and Development Research, develops solutions to achieve a goal related to education or learning. Projects of this type draw on existing theory and evidence to design and iteratively develop interventions or strategies. These projects may include pilot tests of fully developed interventions to determine whether they achieve their intended outcomes under various conditions. Results from these studies could indicate that the intervention or strategy is sufficiently promising to warrant further funding. It is our contention that urban and rural School Boards could intentionally institute a series of best practices that would result in public education turnarounds in failing schools. Thus transforming schools into **flagships of excellence** and creating evidence based institutional policies and practices that other like school divisions will adopt and follow.

Benefits Gained Through Collaboration

Industry Enabled Education Framework

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NMTC Program Compendium – Federal, State, Local & School Board Members

Better Metrics and Board Reporting

Generate Revenue for School Board

Provide Performance Management Structure

Increase headcount with world class systems

Program Performance Management

Optimal Financial Management

Benefits gained through collaboration & Enterprise School System (ESS) design

Enhance Resource Management

Employee Performance Management

Organic Inclusion for students

We can bridge the gap faster if the end result is a job and a career for both parent and student

Intentional Creation

With the zeal of the Manhattan Project let us approach the education system with the resources of this great country

Key Success Indicators

Systems Thinking

Connecting to our Global Potential

Without a vision people perish. Our core belief in the importance the provision of relevant, workforce ready education for ALL students must be strategically measured, assessed and continuously communicated to every stakeholder.

The Internet, social media, our demand for mobile, and our nation's foreign policies have extended STEM jobs and entrepreneurial opportunities to a worldwide platform. NMTC considers the value exchange born from the partnerships with each School Board will be realized not only by urban and rural school systems, but also this important work of delineating the power of school board governance with industry collaboration will have a broader impact internationally.

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Partnership for Change

STRATEGIC ASSESSMENT AND REPORTING

(ESS) Enterprise School System™

NMTC K-12 MOU

NMTC Enterprise School System™

Providing Board Led Governance Support

Initiating Complexity

Enterprise Systems (ES) are large-scale application software packages that support business processes, information flows, reporting, and data analytics in complex organizations. While ES are generally packaged enterprise application software (PEAS) systems they can also be custom developed systems created to support a specific organization's needs (Wikipedia). Our industry based approach to School Board Governance training and development starts with the empirical realization that School Boards are faced with a level of enterprise complexity that goes beyond most lay people's expertise. It is for this purpose that we initiate our MOU engagement discussions with an enterprise system framework. Change must be agreed upon and our industry commitment is for the long run.
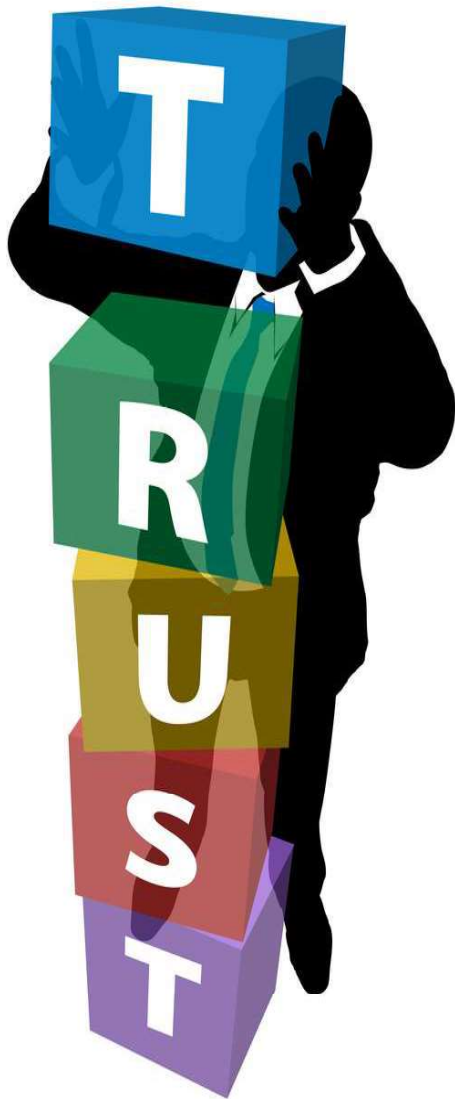

NMTC Enterprise School System™

Process Improvement
Engagement Assumptions

NMTC's MOU expresses a convergence of will between parties, indicating an intended common line of action. We begin with the assumption that both parties are focused on excellence. Our core belief is public education is a constitutional right and education is the core engine of economic development for our urban centers both here in the US and abroad.

Parent & Community Involvement   School Board Members are representatives of their communities. In order for our laws to work each member must represent the needs of their respective communities diversity and not their own personal interest. This assumption brings back the respect and sworn honor bestowed on each member. Parent/Community involvement is not an anecdotal occurrence for the cameras but must be an institutional concern that is programmed into every decision. In our most urban areas this process is broken and it will take a funded exploration of programs and processes including thinking outside the box.

Board Led Curriculum Development   Policy makers now know that urban curriculum is a national security issue. Our country's growth has always depended on human capital. Never before has there been a need for EVERY citizen to participate in this 21st Century knowledge economy. School Boards must understand the need for active and purpose driven articulation agreements and teacher training in STEM and other workforce ready skills. Soaring drop-out rates are now inexcusable due to the present job-growth in fast growing industries.

Budget Transparency and Revenue Models   One of the critical assumptions we are making is that our School Board partners believe in the power of transparency. Open government, including data transparency in public good, is vital to governance. Sometimes gaining access to data requires a specific expertise and may require the creation of an Audit or Governance Committee that is staffed with expertise capable of sourcing data electronically whilst managing risks to the school systems goals. The Council also believes that there are multiple new revenue growth opportunities both via developed efficiencies, grants, and contracts. may require the creation of an **Audit or Governance Committee** that is staffed with expertise capable of sourcing data electronically whilst managing risks to the school systems goals. The Council also believes that there are multiple new revenue growth opportunities both via developed efficiencies, grants, and contracts.

Design Based (Human Study) Models   Recently both the National Science Foundation and the U.S. Department of Education came together to articulate new frameworks for collaboration and research. Our basic assumption is that our School Board partners in urban/rural schools recognize the critical opportunity that exists to develop best practice in three major areas: operational excellence, relevant curriculum development (the kind that thwarts drop-out and spurs new job growth) and Parent Involvement. With each of these areas privacy is key. Our approach to any new program is to follow logic models and ensure permission based pilots are administrated at the highest quality levels.
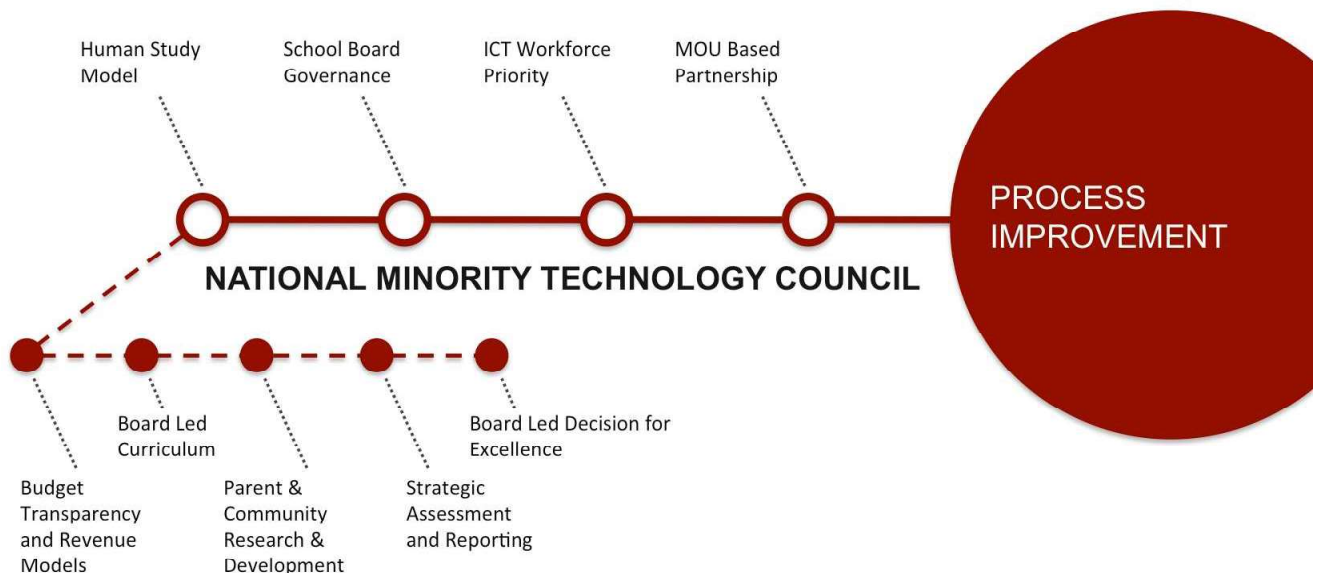
Defining **BOLD** for Public School Education

Process Improvement & Implementation Approach

STRATEGY
Content, Context & Process

BUILDING TRUSTED NETWORKS™

Human Study Model

School Board Governance

ICT Workforce Priority

MOU Based Partnership

PROCESS IMPROVEMENT

NATIONAL MINORITY TECHNOLOGY COUNCIL

Board Led Curriculum

Board Led Decision for Excellence

Budget Transparency and Revenue Models

Parent & Community Research & Development

Strategic Assessment and Reporting

School Board Led
Ensures administration and schools receives support necessary in order to transform education.
DELIVERABLE: Program based reporting and analytics. Independent audit/control functions.

Student | Parent Focused
The two most essential constants where quality outcome based education are realized.
DELIVERABLE: Parent Involvement Boards, and Student Activity measurement and Teacher Performance Dashboards.

Industry/Job Ready
Our Education-Industry member based partnerships ensure curriculum and petogogies are geared towards gainful employment or higher education.
DELIVERABLE: Industry relevant STEM Curriculum and Virtual Classrooms.

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