

WHAT'S CHANGING

IN TYREX'S 21ST

BUSINESS

CENTURY?

**I guarantee you won't believe what you are about to read!
So, embrace your "openness to experience" mindset, explore
the possibilities of your mind's imagination, and read on.**

A TyRex Family Publication

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Changes Coming in the 21st Business Century

1. **Technologies with Increasing Speed of Development Will Obsolete Themselves**
 - Focus on Technologies That Innovate and Spawn New Technologies for Sustainability and Long-Term Business Longevity

2. **Embrace TyRex's New Ways of Thinking**
 - TyRex Thinking Center
 - 10 Inspiring Minds – “Openness to Experience” and Basis for “Original Thought”
 - Inventive Thinking Linked to Practical Business Applications
 - Evolutionary Technology THINKING
 - Move Past “Out of the Box” Thinking . . . Let's Create a New **THINKING BOX** for the TyRex Family

3. **A Company's Culture Must CONNECT**
 - Businesses Live in Communities. Employees are Residents of Both. All Three **MUST CONNECT** to Form Stronger Foundations for Businesses to Grow, Prosper, and Achieve Shared Sustainable Success, which are then shared by ALL Three.
 - TyRex/RecognizeGood's Volunteer Row is an Example of an Employee's **Purposeful Employment** by Bringing Volunteerism to the Factory.
 - Success Must be Shared if a business is to survive in the 21st Business Century.

4. **Digital Marketing Programs for Millennials and Gen Z's, i.e., the NexGen Decision-Makers**
 - Growing Number of Millennials Becoming Decision-Makers
 - Creating Completely Different Marketing Models (i.e., focus on using Digital Marketing to Achieve Marketing and Revenue Goals)
 - Key Marketing Tools Include Social Media Communications, Video Productions, and Extremely Robust Websites
 - Digital and Video Relatability

5. **Future of Academic Learning/Business Opportunities will merge into ONE SUPER LEARNING TO CREATE A PATH TO BUSINESS DEVELOPMENT**
 - Formal Education will **CONNECT** with Independent Student Learning
 - Begins at Youth and increasingly younger ages
 - Creativity, Imagination, and Innovation via iPhone Learning Technology Encourages Youth Mind Exploration
 - Utilizing Existing Technologies and Communication Tools to Achieve New Product Development and Entrepreneurial Commercialization

6. **Separating Research from Development**

- Research Will Accelerate Its Pace of Concept Validation
- Research Will Become More Cost Effective and Time-Efficient, thereby Achieving Affordability so that Small to Midsize Businesses can Participate
- Development Will Become a More Standardized Process, thus Achieving Productization to Commercialization More Efficiently and Effectively

7. **Entrepreneurial Commercialization will Begin with Younger, more Self-Educated Youth**

- Entrepreneurial Commercialization Knowledge and Simulations Will Begin at Youth
- **12-Year-Olds or Younger Children Can and Will Create and Innovative Products and Technologies That Will Fuel our Future Business Expansions**
- TyRex's Leadership Academy for K-12 Featuring 3D Printing Could Spearhead Our Youth's Efforts to begin a 21st Century Industrial Product and Productization Revolution

John's Three (3) TyRex Family Technology Focuses AND One Giant Prediction

- 1. 3D Printing**
 - DLI's Light Application and Engines
 - Connecting ALL TyRex Entities to DLI's Light Technology Will Afford Significant Opportunities
 - SabeRex's Industrial 3D Printing Parts and Products Program Will Support TyRex's 3D Printing Program
 - Tri/Rex's 3D Printing Special Application Systems (SAS) Builds, i.e., Flexible, Modular, and Customized 3D Printers Will Change Current 3D Printing's Application Thinking
 - TyRex Family – Creating the Most Complete and Comprehensive 3D Printing Group Related to Services and General Technical Knowledge in North America
 - Connecting 3D Printing with Each TyRex Entity and Associates Themes

- 2. Cyber Security – Blockchain, Business Video Security, etc.**
 - Blockchain Software is Becoming More Valuable Than Bitcoin
 - Securing Operations Software for Financial Transactions Will Grow in Necessity and Value
 - Blockchain Will Increasingly Evolve from Software Security into "Chain of Custody" Industry Requirements

- 3. Virtual Currency – Bitcoin, etc.**
 - World Currency without Government Controls
 - Bitcoin Has a Fixed Denominator, i.e., number of Units Fixed at 21,500,000 with a Numerator Becoming the Perceived Value of 200+ Countries
 - Virtual Currency Trading versus Existing Country Currencies Will Become a Real Business Opportunity in the 21st Business Century

All monetary values are perceived or are virtual in nature and determining their perceived values by referencing other values that are based on their own perceived values.

3D Printing Disruptive Categories:

1. Digital or Additive Manufacturing – Polymers, Ceramics, Exotics
2. Medical and Biomedical – Hydrogels
3. Micro 3D Printing – Polymers to Metals and Exotic
4. Nano 3D Printing
5. Aerospace – Metals
6. Fashion, Jewelry, and Art - Various Materials

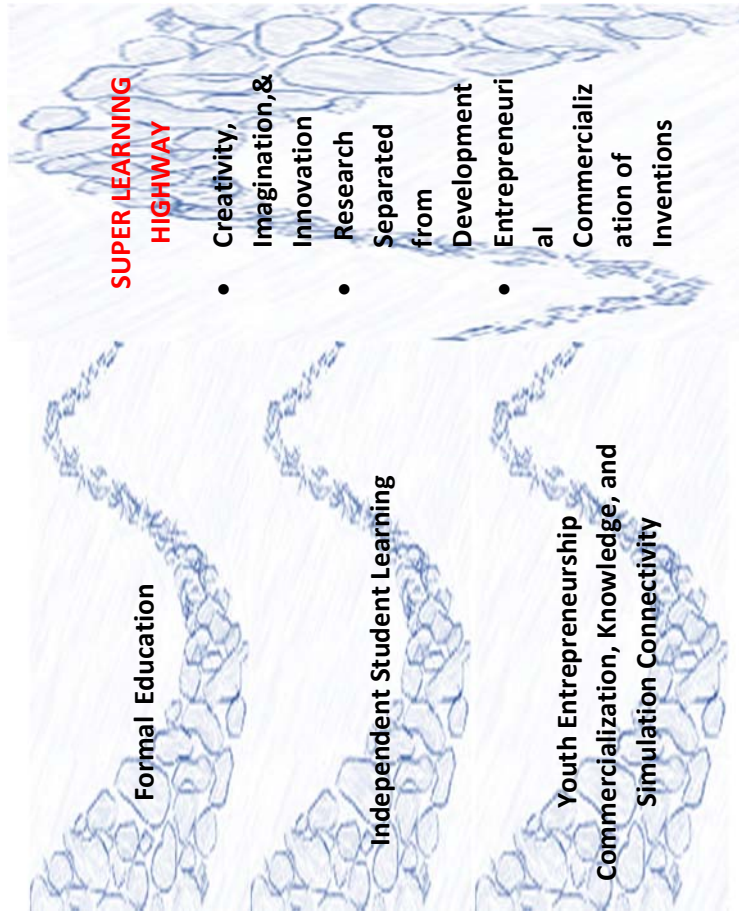
The Concept of **Intelligent Manufacturing** is now in the Development Stage

3D Printing Will Become Intelligent Manufacturing's Production Foundation and Will Then Connect to:

- Robotics
- Data Analytics
- Artificial Intelligence
- Automated and Continuous Inspection Verification
- Manufacturing Self-Assessment
- Data Security and "chain of custody" supported by Blockchain Software

PREDICTION – Intelligent Manufacturing in the coming years will compete with low price labor and **WIN.**

**The Future of Academic Learning/Business:
Three (3) Paths of Knowledge Will Converge into
ONE SUPER LEARNING HIGHWAY TO BUSINESS DEVELOPMENT**



Beginning at K-12 and Encompassing all Levels of Education

TyRex Family Changes Underway in the 21st Business Century

1. **Digital Marketing**
 - Data Base Analytics for Strategic, Tactical, Marketing Operations Management, Supervision, and Leadership
 - Digital and Video Relatability Will Emphasize and Underscore Website, Video Productions, and Interactive Social Communication Marketing and Sales Skills
 - How TyRex Accesses Its Own Digital Minds Will Become a Primary Focus with the Goal of Expanding and Creating Sustainable Digital Relationships
2. **TyRex Entrepreneurial Family Company Cultural Additions**
 - Profit, Purpose, AND Family Philosophy Cornerstones
 - Six (6) Diamond Disciplines
 - Guiding Principles
 - Purposeful Employment Redefined
 - SHARED SUCCESS, i.e., 10% of Pre-Tax Profits Shared with Every Permanent/Temporary Family Member
 - Creative, Imaginative, Innovative “No Fear” Thinking Programs with Practical Applications, e.g., Bright Ideas!
 - Using TextREX and Various State-of-the-Art Communications Will Better Connect TyRex to ALL Family Members
 - In-House Volunteer Programs Connecting Business and Community with our Employees who are Residents of Both
 - TEAMworkSM Development Series
 - TyRex Family Care Programs, i.e., Sunshine + Cheer, Five (5) Playing Cards, TyRex Cultural Pay, TyRex Family Care Package, and More
3. **Community Engagements via RecognizeGood® Partnership**
 - 501c(3) Organization with TyRex as a Primary Supporter, Endorser, and Program Activist committed to the unity of businesses, communities, and residences of our employees.
4. **Advancing the TyRex Family Image**
 - How Industries View Us
 - Technical & Scientific
 - How Visitors View our Facilities
 - Start-of-the Art, Cutting Edge, Clean as in a scientific lab, and Professionally Dressed
 - How We Perceive Ourselves
 - Focused and Forward Thinking
 - Caring and Culturally Advanced Business Family
 - Community Engaged
 - Hardworking, Committed, and Determined
 - Successful in Achieving Business Singularity
 - “Open to the Experience” THINKERS
 - Relationships which Represent Trust, Respect, and Mutual Appreciation
 - Special by Design®

**More CHANGES Abound in the
21st Business Century**

**While Our TyRex Learning Foundation
Encourages Us to
LEARN IN 3D**

**The TyRex Thinking Center
Inspires Us to
Explore the Possibilities of Our
4 Dimensional Imaginative Minds**

I've never been the smartest person in the room, but I don't believe anyone has ever worked harder to be smarter. But then I discovered that you don't have to be a genius to THINK like one.

**John Bosch Jr.
Your Guide to the 21st Business Century**