Trends for The 21st Century
Preparing for the Schools of Tomorrow

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Mary Hendrie
Assistant commentary editor, Education Week

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Trends for the 21st Century: Preparing for the Schools of Tomorrow

Expert Presenter:

Gary Marx, president, Center for Public Outreach

Related: Reflections on 3 of Gary Marx's 21 Trends for the 21st Century
An on-demand archive of this webinar will be available at www.edweek.org/go/webinar in less than 24 hrs.
Twenty-One Trends for the 21st Century

By Gary Marx

President, Center for Public Outreach, Vienna, VA, USA

Published by Education Week Press. Book available at www.edweek.org/go/21Trends

Twenty-One Trends is exciting reading. It is a classic external scan, an intelligence report, a go-to guide for planning and thinking about the future, and often a text for courses or a centerpiece for conferences and professional development.

This unique book’s 21 trends are presented in 8 spheres: demographics, technology, economic, energy and the environment, international/global, education and learning, public and personal leadership, and well-being.

Twenty-One Trends is a gift that keeps on giving. Using it is a mark of leadership.

Note on Trend Lines: → indicates a nearly unmitigated trend, while ↔ indicates a trend, but with tugs in both directions

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Demographic Sphere

Trend: Generations

Millennials will insist on solutions to accumulated problems and injustices and will profoundly impact leadership and lifestyles.

GI Generation → Silent Generation → Baby Boomers → Generation X → Millennials → Generation E
Demographic Sphere Trend: Diversity

In a series of tipping points, majorities will become minorities, creating ongoing challenges for social cohesion. (Worldwide: Growing numbers of people and nations are discovering that if we manage our diversity well, it will enrich us. If we don’t manage our diversity well, it will divide us.)

Majority/Minority → Minority/Minority

Exclusion ↔ Inclusion

Diversity = Division ↔ Diversity = Enrichment

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Demographic Sphere

Trend: Aging

In developed nations, the old will generally outnumber the young.
In developing nations, the young will generally outnumber the old.

Younger → Older
Older → Younger
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Technology Sphere
Trend: Technology

Ubiquitous, interactive technologies will shape how we live, how we learn, how we see ourselves, and how we relate to the world.

Macro → Micro → Nano → Subatomic
Atoms → Bits
Megabytes → Gigabytes → Terabytes
→ Petabytes → Exabytes → Zettabytes

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Technology Sphere

Trend: Identity and Privacy

Identity and privacy issues will lead to an array of new and often urgent concerns and a demand that they be resolved.

Knowing who you are ↔ Discovering who someone thinks you are

What’s private? ↔ What’s not?
Economic Sphere

Trend: Economy

An economy for a new era will demand restoration and reinvention of physical, social, technological, educational, and policy infrastructure.

Industrial Age Mentality ↔
Global Knowledge/Information Reality

Social and Intellectual Capital →
21st Century Products and Services

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Economic Sphere

Trend: Jobs and Careers

Pressure will grow for society to prepare people for jobs and careers that may not currently exist.

Career Preparation ↔

Employability and Career Adaptability

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Energy/Environmental Sphere

Trend: Energy

The need to develop new sources of affordable and accessible energy will lead to intensified scientific invention and political tension.

Energy Affordability, Accessibility, Efficiency ↔ Invention, Investment, and Political Tension
Energy/Environmental Sphere

Trend: Environmental/Planetary Security

Common opportunities and threats will intensify a worldwide demand for planetary security.

Personal Security/Self Interest ↔
Planetary Security

Common Threats ↔
Common Opportunities

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Energy/Environmental Sphere

Trend: Sustainability

Sustainability will depend on adaptability and resilience in a fast changing, at-risk world.

Short Term Advantage ↔
Long-Term Survival

Wants of the Present ↔
Needs in the Future

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International/Global Sphere

Trend: International/Global

International learning, including relationships, cultural understanding, languages, and diplomatic skills, will become basic.

(Worldwide: To earn respect in an interdependent world, nations will be expected to demonstrate their reliability and tolerance.)

Isolationist Independence ↔ Interdependence
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**Education and Learning Sphere**

**Trend: Personalization**

In a world of diverse talents and aspirations, we will increasingly discover and accept that one size does not fit all.

**Standardization → Personalization**
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**Education and Learning Sphere**

**Trend: Ingenuity**

Releasing ingenuity and stimulating creativity will become primary responsibilities of education and society.

**Information Acquisition → Knowledge Creation and Breakthrough Thinking**
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Education and Learning Sphere Trend: Depth, Breadth, and Purposes of Education

The breadth, depth, and purposes of education will constantly be clarified to meet the needs of a fast-changing world.

Narrowness → Breadth and Depth

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Trend: Polarization

Polarization and narrowness will, of necessity, bend toward reasoned discussion, evidence, and consideration of varying points of view.

Narrowness ↔ Open Mindedness
Self-Interest ↔ Common Good
21 TRENDS
for the 21st Century

Out of the Trenches and into the Future

By Gary Marx

Public and Personal Leadership Sphere

Trend: Authority

A spotlight will fall on how people gain authority and use it.

Absolute Authority → Collaboration

Vertical ↔ Horizontal

Power to Impose ↔ Power to Engage

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Public and Personal Leadership Sphere
Trend: Ethics
Scientific discoveries and societal realities will force widespread ethical choices.

Pragmatic/Expedient → Ethical
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Public and Personal Leadership Sphere

Trend: Continuous Improvement

The status quo will yield to continuous improvement and reasoned progress.

Quick Fixes/Status Quo → Continuous Improvement

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Well-Being Sphere

Trend: Poverty

Understanding will grow that sustained poverty is expensive, debilitating, and unsettling.

Sustained Poverty ↔ Opportunity and Hope

© 2015
Well-Being Sphere

Trend: Scarcity vs. Abundance

Scarcity will help us rethink our view of abundance.

Less ↔ More
What’s Missing? ↔ What’s Possible?
Well-Being Sphere
Trend: Personal Meaning and Work-Life Balance

More of us will seek personal meaning in our lives in response to an intense, high tech, always on, fast-moving society.

Personal Accomplishment ↔ Personal Meaning
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Next Steps:

• Read Twenty-One Trends for the 21st Century. Get copies of the full book and/or guide version for staff, community, and clients.

• Consider implications of these trends for schools, colleges, universities, for-profit or not-for-profit organizations, governments, professional groups, industries, communities, or countries.

• Think of this book as an external scan and intelligence report in planning for the future.

• Use Twenty-One Trends as a text or subtext for courses or units...and as a basis for professional development, discussion groups, and book clubs.

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Empower scenarios—Microsoft in the classroom

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<tr>
<th>Creativity</th>
<th>Critical thinking</th>
<th>Communication</th>
<th>Collaboration</th>
<th>Computational thinking</th>
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<tr>
<td>Increasing</td>
<td>Helping</td>
<td>Online learning</td>
<td>Real-time feedback</td>
<td>Preparing students to be productive citizens</td>
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<td>instructional</td>
<td>teachers work</td>
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<td>to students</td>
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<td>time, decreasing</td>
<td>with students</td>
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<td>who miss school</td>
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<td>Beyond the</td>
<td>Developing</td>
<td>Meeting</td>
<td>Professional</td>
<td>Cultivate</td>
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<td>paper-based</td>
<td>digital literacy</td>
<td>the needs of</td>
<td>Learning</td>
<td>teaching teams</td>
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<td>classroom</td>
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<td>diverse learners</td>
<td>Communities</td>
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<td>using Groups</td>
<td>Notebook</td>
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Access free professional development on the new Microsoft Educator Community at aka.ms/mic
Microsoft in Education

Cameron Evans
@educto
ONE EXPERIENCE

ONE PLATFORM

ONE STORE

(Pre-release product shown, subject to change. Some apps sold separately. Availability may vary.)
Interactive internet experience with Microsoft Edge

Digital inking built for thinking and advanced problem solving

Take a Test helps teachers and schools get more out of digital assessments

Save time, organize and collaborate with OneNote Class Notebooks

Multi-task and synthesize quickly with multi-doing and virtual desktops

The best screen is always the one you’re on with Continuum

BETTER LEARNING OUTCOMES
<table>
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<tr>
<th>Take a Test app</th>
<th>Set up School PCs app</th>
<th>Enhancements to Windows Store for Business</th>
<th>Windows Updates</th>
<th>Enhancements to provisioning tools</th>
<th>Windows privacy and security</th>
<th>Inking built for thinking</th>
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</thead>
<tbody>
<tr>
<td>Simplify the delivery of formative assessments in class</td>
<td>Simplified device setup app for shared cart scenarios</td>
<td>Find, acquire and deliver free and paid apps to students and staff</td>
<td>New active hours settings schedule updates to install outside of class times</td>
<td>Use education specific workflows in the Windows Image and Configuration Designer (WICD) to efficiently set up Windows devices for the classroom</td>
<td>Educational products we design for the unique needs of K-12 students, meet the Privacy Pledge to use student data for educational purposes only</td>
<td>Ink workspace helps students know what a digital pen can do when they bring it close to the screen</td>
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<tr>
<td>Deliver high stakes testing more easily</td>
<td>Shared Windows device optimization</td>
<td>Students log into a shared device quickly, receiving their personalized experience</td>
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<td>Use writing and touch simultaneously to adjust the thickness of a digital brush or use a built-in ruler to make razor-straight lines</td>
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What’s new in Office 365 Education?

**Collaboration and communication in the classroom**
- Class Notebook add-in (preview) with Classroom & LMS assignments
- Professional Learning Community (PLC) Groups
- Office Online collaboration improvements—scale and chat
- Class Notebook add-in (preview) with Classroom & LMS assignments

**Managing the online classroom**
- Microsoft Classroom (preview) for Office 365 Education
- Microsoft Forms (preview) and Microsoft Forms Grader add-in

**Student empowerment**
- Learning Tools for OneNote (preview) add-in
- Sway—add audio narration, embedded quizzes with Microsoft Forms

**Saving time**
- Teacher-to-Student invites in the Class Notebook
- School Data Sync (preview)

**Teacher training and CPD**
- Docs.com—content download and publishing for Learning Registry
- Microsoft Educator Community
INTRODUCING THE MICROSOFT EDUCATOR COMMUNITY

http://education.microsoft.com
#MSFTEDU
Get Office 365 Education
If you’re a student or teacher you may be eligible to get the online version of Microsoft Office for free plus 1 TB of online storage.
Your school may also allow students to install the full Office apps on up to 5 Macs or PCs for free. Check Eligibility and learn more here

http://office.com/education

Learn more about Microsoft Classroom
Sign up to preview and learn more about Microsoft Classroom

http://aka.ms/classroom

Sign up to preview Microsoft Forms

https://forms.office.com
An on-demand archive of this webinar will be available at www.edweek.org/go/webinar in less than 24 hrs.
Required Reading from *Education Week*:

**21 Trends for the 21st Century: Out of the Trenches and Into the Future**

Whether we look at rapidly shifting demographics, constantly emerging technologies, the way we learn or the way we lead, K-12 schools are experiencing dramatic changes that will have lasting effects on young people, and ultimately, the nation as a whole. *Twenty One Trends for the 21st Century* offers a deeper understanding of impending challenges and opportunities to prepare educators for the schools of tomorrow. Available as a paperback and e-book!

Read more.

**PROMO CODE: 21Trends25**

25% discount