INDEX

A
Academic Earth, 36, 77
Accountability: of administration for student learning, 152–153; education reform policy on, 112
Acelero Learning, 139
Action video games, 58
Administration accountability, 152–153
AdvancePath: individual progress approach by, 35; origins and development of, 91–93; profile of, 83
Aligned services investment, 131
Amazon, 39
American Association of Colleges of Pharmacy, 53
American Enterprise Institute for Public Policy Research, 132
American Indian Foundation, 133
American Institutes for Research, 122
Amgen, 134
AP (Advanced Placement) courses: capital investment in online, 131; predicted access to online, 70
Apex Learning, 121, 130
Aptech, 134
Aspiring mastery, 11
Assessment: fifth-grade study day keystroke data, 37; prediction on motivation insights from keystroke data, 48; shift toward instant feedback of, 11–12; tenth-grade study day keystroke data, 37–38
Association of American Colleges and Universities, 24
Atlantic Monthly, 84
Autor, David, 5
AZT treatment, 120
INDEX

B
Bavelier, Daphne, 58
The Beautiful Tree (Tooley), 134
Bennet, Bill, 93
Big Picture Learning, 36
Blended (or hybrid) schools:
  AdvancePath Academics, 35, 83, 91–93; budget issues
driving shift to, 113; capital investment in, 131; description
of, 80–81; five common factors/differences in, 96–97;
Flex model of digital curriculum for, 95; K², 8, 41, 83;
Kunskapsskolan, 83, 89–91; N-E-I-E-I-O future of,
99–100; new architecture requirements of, 97–99;
overcoming opposition to, 112–114; predicted replace-
ment of struggling schools with,
111; Rocketship Education, 83,
87–89, 152–153; School of One,
41, 82, 83–87; schools on the
blended learning continuum,
83. See also K–12 schools
Boredom, 23–24
Borg, Nic, 144, 154–155
Born Digital (Palfrey and
Gasser), 21
Boy Scout merit badges,
43–44
Boyd, Richard, 59–60
Bridge International
Academies, 156
The Bridgespan Group, 123
BrightStorm, 36
Broad, Eli, 130
Bush, Jeb, 105, 137

C
“Can-do” education, 8–10
Capital investment: blended capital ecosystem in India, 133–135;
blended capital for, 127–129;
five main categories for,
130–132; government role in,
140–141; impact investing,
137–140; limitations of non-
profit, 121–124; limitations of
school district, 124–125; oppor-
tunities for private, 129–132;
philanthropy’s niche in,
135–137; pros and cons of
private, 120–121; role for phil-
anthropic and private, 126;
selecting the right capital for,
125–127
Career Launcher, 134
Career-ready standards,
103–105
Carlson, Curtis, 25
Carpe Diem Collegiate High
School, 97–98
Carter, Michael, 73, 74
The Center for Research in
Educational Policy (University
of Memphis), 95
Centre for Civil Society, 133
Certification: adopting innovative
policies for, 110–112; problems
with traditional, 110
Chanda, Nyan, 8
Charter management organizations (CMOs), 81–82
Charter schools: Arizona’s for-profit, 135; birth and description of, 13–14; budget challenges facing, 81–82; K12 operated, 83; KIPP (Knowledge Is Power Program) network of, 10, 116, 121, 158–159; Kunskapsskolan school opened in New York City, 91; lessons to learn from, 14–15; Rocketship Education, 83, 87–89, 152–153. See also K–12 schools
Charter Schools USA, 121
Chatfield, Tom, 50, 52, 55
Chinese keystroke data, 38
Choice proliferation trend, 27
Citigroup, 134
City Light Capital, 137
CK-12, 36
Clinton, Bill, 4, 120
Cloud-based learning services, 43
Cohen, Josh, 137
College-ready standards: Common Core State Standards as, 103; innovative policy demanding, 103–105
Commerce Syndrome, 115, 116
Common Core series, 130
Common Core State Standards: framing future of U.S. education, 9; organizing open content using, 69, 104; origins and benefits of, 103, 139; prediction on long-lasting impact of, 132; shaping expectations, 11
Communities In Schools, 35
Competency-based learning: innovative policies on, 109–110; personal digital learning as, 35; three features of, 35
Connected organizations/lives trend, 27
Connections Academy, 41, 121
Content. See Online content
Critical thinking: gathering evidence/constructing arguments using, 26; liberal education goal and failures for, 24
Cultural Literacy (Hirsch), 24
Culture: creating learning, 71–73; shift toward mixed-age, 12
Curriki, 69
Customization: Boy Scouts merit badges, 43–44; description of, 28; differentiation of instruction, 32–34; global proliferation of, 45; individual progress model supporting, 34–35; instant feedback, 36–38; integrating motivation, equalization, and, 79–100; learner profiles guiding, 38–39; as liberal arts education benefit, 28; personalized online guidance for, 41–43; platform ecosystems, 43; smart engines used for, 39–41; technology facilitating, 31–32
Customized Schooling (Hess and Manno), 9, 157
 INDEX

D
Danner, John, 87–88, 89, 152
Dasra, 17
*The Death and Life of Great American Cities* (Jacobs), 115
*The Death and Life of the Great American School System* (Jacobs), 115
Deeper learning, charter schools and evidence of, 14
Dell Foundation, 87, 133
Denver School of Science and Technology, 14
Department of Defense, 53, 61
Department of Education, 75, 81, 129
Differentiated instruction, 32–34
Digital content: capital investment in, 130; CK-12 (free online textbooks), 36; efforts to organize open, 69; Flex model of, 95; instant feedback driven by embedded, 36–38; open education resources (OER), 69, 70; potential for equalization through, 67–71; saving school budget by using open, 69–71; shift toward using, 11
Digital Equalizer program, 134
*Digital Game-Based Learning* (Prensky), 22
Digital Learning Council, 137
*Digital Learning Now!* report, 105, 106, 108–109, 137
Digital learning revolution. *See Personal digital learning*
Digital learning. *See* Personal digital learning
Digital natives: boredom as number one enemy of, 23–24; description and characteristics of, 21; example of learning process by, 19–21; *Living and Learning with New Media* study findings on, 21–22. *See also Students*
*Disrupting Class* (Christensen, Horn, and Johnson), 80
Dove, Teresa, 111
Duncan, Arne, 116–117
Dynamic economy trend, 27

E
eBay, 8
Echoing Green, 129
Edison, 120–121
Edmodo (social learning platform), 36, 72, 144, 154–155
Education: customization of, 28, 31–45; equalization of, 28, 63–77; liberal arts tradition of, 24–25, 28; motivation for, 28, 47–61
Education Arcade (MIT), 54–56
Education Pioneers, 130
Education reform: charter schools approach to, 13–15; Common Core State Standards/ Race to the Top framing, 9; creating “can-do” education through, 8–10; going back to liberal tradition using digital tools for, 24–27; innovative policies to

202
create, 101–118; integrating customization, motivation, equalization for, 79–100; just-in-time learning as part of, 6–8; learning revolution driving, 10–13; stimulus grant programs supporting, 8–9; transformational productivity goal of, 116–118. See also K–12 school districts; K–12 schools; Learning revolution

Education reform innovation: challenges facing successful, 101–103; overcoming opposition to, 112–114; paying for, 119–141; policies to boost achievement, 103–118; signs of leadership for transformational, 116–118

Education reform policies: accountability, 112; all students are digital learners, 105; college- and career-ready standards and preparation, 103–105; competency-based system, 109–110; educational choice, 105–106; fund kids and not districts, 106–109; new certification standards, 110–112

Educational choice: providing parents with, 105–106; trend toward, 27

Educational crisis: seizing the opportunity to change the, 2; status of the U.S., 2

Educational digital tools: educational equalization through, 64–77; example of digital native using, 19–21; Living and Learning with New Media study findings on, 21–22; the technology available for, 15–17; Ushodaya High (India) use of, 16–17; Web 2.0 applications used as, 35–36. See also Technology

Educators: certification of, 110–112; changing notion of traditional, 143–144; new edupreneur role of, 153–156, 160; new job of administration, 152–153; online, 151; parents as, 144–147. See also Students; Teaching

Educomp Solutions, 133

Edupreneurs: educator evolution into, 153–155; examples of making a difference, 155–156; shaping the learning landscape, 160

Edusoft, 155

Electronic democracy trend, 27

Empathy Learning Systems, 134

Enterprise Elementary (Washington), 33–34

Enterprising Schools, 133

Envision Schools (San Francisco), 14

Equalization: brief history of access and, 65–67; explosion of learning resources providing, 76–77; of “Growth America” and “Decline America,” 63–64; increasing digital content for, 69–71;
Equalization (continued)
integrating customization, motivation, and, 79–100; as liberal arts education benefit, 28; online education providing, 67–68; potential of learning technology for, 64; provided by the Internet, 64–65; social learning platforms facilitating, 71–73; TED Conference providing ideas for, 65
Equalized funding, 107
ETS, 122
EVOKE (game), 49, 55
Expeditionary Learning, 14

F
Fabindia, 134
Facebook, 71
Families: educator role of parents in, 144–147; providing educational choice to, 105–106; taking back responsibility for learning, 11; unique student identifier for privacy management by, 39
Feedback: content-embedded assessment driving, 36–38; keystroke data on fifth-grade student day, 37; keystroke data on tenth-grade student day, 37–38; as motivating learning, 51; prediction on development of instant online, 54
Fellows program, 130
Financial issues. See K–12 school funding
Flex model of curriculum, 95
Florida Virtual School, 41, 111
Foundation for Excellence in Education, 105, 137
Foundations: capital investment by, 135–137; capital investment role for private and, 126; impact investing by, 138–140; NewSchools Venture Fund funded by, 139; tax-exempt status requirements of, 138
Friedman, Tom, 25
Fun, Inc. (Chatfield), 50

G
Games: action video, 58; educational uses of, 52–53; keystroke data on math, 38; motivating strategies used by, 50–52; motivational power of alternative reality, 48–50; photo of a gamer involved in, 50; Quest to Learn (Q2L) [Manhattan] educational use of, 56–57. See also Simulations
Gasser, Urs, 21
Gates Foundation, 131
Gerstner, Louis, 5–6
GoingOn, 36
Gomez, Louis, 63
Google, 7–8
Google Search, 6–7
Government: capital leveraging by Indian, 140–141; examples of capital investment by, 140–141; lack of capital investment innovation by, 129
Grameen Bank, 129
Gray Matters Capital, 133
Grouping model, 12
Growing Up Digital (Tapscott), 21
Guardian Moral Syndrome, 115–116
Guidance: keystroke data on tenth-grade student day, 38; systems of online, 41–42, 73–76

H
Harms, Al, 58
Hawkins, Robert, 49
Hess, Rick, 9, 157
Hewlett Foundation, 14
High Tech High (San Diego), 14, 112
HippoCampus, 36
Hirsch, E. D., 24
Houghton Mifflin, 155
Huff, Gisele, 6
Hybrid schools. See Blended (or hybrid) schools

I
Iberdrola Renewables, 127
IBM, 135
Idea economy: description of, 5; examples of successful, 6–8; finding solutions to polarization of, 6–8; polarization of the U.S., 5–6; trends and preparation for, 27
Idea economy learning: examples of corporations providing, 7–8; five new learning priorities to achieve, 25–27; Google Search as form of, 6–7; Mangahigh as facilitating, 7; shift from agricultural to industrial to, 13.
See also Learning
Idea economy learning priorities: ability to use information for judgment and action, 25; communication skills across variety of media, 26; gathering evidence and constructing arguments, 26; taking charge of our own learning, 26–27; working knowledge of market economics/personal finance, 25
Impact investing: description of, 137; scaled social benefit from, 138–140
iNACOL (International Association for K–12 Online Learning), 35
India: blended capital ecosystem of, 133–135; government role in leveraging education investment, 140–141; prediction on spread of innovative mobile learning models in, 81; Ushodaya High in, 16–17
Indian School Finance Company (ISFC), 133
Individual progress models, 12, 34–35
Information: constructing arguments by gathering evidential, 26; making judgments/take action by using, 25; working knowledge of market economics/personal finance, 25
Information proliferation trend, 27
Innovation. See Education reform innovation
Innovation Council (India), 141
Interactive Systems Design, 95
Internet: ensuring access to all students, 105; equal access provided by, 64–65; inventiveness and novelty nature of, 116; social network connections using the, 71–73
iTunes, 39
iTunes Genius, 85
iTunes U, 77

J
Jacobs, Jane: The Death and Life of Great American Cities by, 115; The Death and Life of the Great American School System by, 115; Guardian Moral Syndrome versus Commerce Syndrome of, 115–116
Jaquelin Hume Foundation, 6
Joan Ganz Cooney Center, 58
John D. and Catherine T. MacArthur Foundation, 21
Just-in-time learning: additional examples of, 7–8; Google Search providing, 6–7; Mangahigh providing, 7; replacing just-in-case learning, 11

K
K–12 school districts: limitations of capital investment in, 124–125; new roles of administration, 152–153; prediction on physical facilities of, 125. See also Education reform
K–12 school funding: blended capital approach to, 127–129; blended capital ecosystem in India, 133–135; Digital Learning Now! recommendations on, 108–109; equalized, 107; five main categories for, 130–132; government role in leveraging support for, 140–141; impact investing for, 137–140; non-profit limitations for, 121–124; opportunities for private investment for, 129–132; paying for innovation, 119–141; performance contracting approach to, 107; philanthropy’s niche for, 135–137; private capital for, 120–121; reengineering, 106–109; role for philanthropic and private capital, 126; school district limitations for, 124–125; selecting the right capital for, 125–127; weighted student, 107, 108
K–12 schools: boredom problem of traditional, 23–24; budget spent per student by, 69–70; educational crisis facing, 2; failure to meet IEP mandates by 60 percent of, 75; increasing use of online courses by, 80–82; integrating customization, motivation, equalization into, 79–100;
liberal education approach
of traditional, 24; providing
educational choice to students,
105–106; providing online guid-
ance systems, 41–43, 73–76;
savings from using open content,
70–71; “school in a box” model
of, 156. See also Blended (or
hybrid) schools; Charter schools;
Education reform
K\textsuperscript{12}: allowing schools to be con-
ducted online, 8; economic
returns of, 121; Flex model
being piloted by, 95; as national
provider, 41; profile of, 83;
virtual academies of, 93–95
Kaplan, 121
Kauffman Foundation, 9
Kellogg Foundation, 138
Keystroke data: fifth-grade study
day, 37; prediction on motiva-
tion insights from, 48; tenth-
grade study day, 37–38
Khan Academy: as early learning
tool, 15, 68; early version on
YouTube, 68
Khan, Salman, 68, 144
Kimmelman, Jay, 155–156
KIPP (Knowledge Is Power Pro-
gram), 10, 116, 121, 158–159
Klein, Joel, 43
Kleiner Perkins Caufield & Byrers
and Khosla Ventures, 128
*The Knowledge Deficit* (Hirsch), 24
KnowledgeWorks, 25, 159
Kopp, Wendy, 154
Kumar, Praveen, 17
Kunskapsskolan (Sweden): charter
school opened in New York City,
91; origins and development of,
89–91; profile of, 83
L
Laufenberg, Diane, 65–66
Learner profiles, 38–39
Learning: boredom as number one
enemy of, 23–24; charter schools
and evidence of deeper, 14; com-
petency-based, 35, 109–110;
families taking back responsibil-
ity for, 11; just-in-time, 6–8;
personal digital, 25–29, 35, 160;
social network relationships
augmenting, 12. See also Idea
economy learning; Personal digi-
tal learning; Students
Learning platforms: capital invest-
ment in, 131; customization
through, 43; Edmodo, 36, 72,
144, 154–155; equalization
through, 71–73; predictions on
smart recommendation engine,
40; PsPU, 76–77
Learning priorities: ability to use
information for judgment and
action, 25; communication skills
across variety of media, 26; gath-
ering evidence and constructing
arguments, 26; taking charge of
our own learning, 26–27; work-
ing knowledge of market eco-
nomics/personal finance, 25
Learning revolution: confluence of forces driving the, 10, 12; customized learning replacing traditional curriculum, 10, 157–158; edupreneurs of the, 153–156, 160; KnowledgeWorks’ map of the future on, 159; looking forward to forms and timing of, 159–160; ten shifts allowing, 11–12; understanding the digital, 1–2. See also Education reform; Personal digital learning; Predictions

Leona Group L.L.C., 121
Levine, Michael, 58
Liberal arts education: customization, motivation, and equalization provided by, 28; moving forward by combining digital tools for, 24–25; as traditional education approach, 24

Living and Learning with New Media study, 21–22
Location shift, 12
Lockheed, 59, 60–61
Lynch, Jack, 74–75

M
MacArthur Foundation, 21
McGonigal, Jane, 48, 50, 53
McKinsey & Company, 123
Mangahigh, 7, 36, 130, 144
Manno, Bruno, 106
Mastery, aspiration for, 11
Math instruction: Khan Academy tutorials for, 15, 68; School of One success with, 83–87. See also STEM (math, science, and technology) courses
Math keystroke data: fifth-grade student day, 37; tenth-grade student day, 38
Mayer, Marissa, 6
mCLASS, 131
Media communication skills, 26
Meeks, Olivia, 9, 157
Michael & Susan Dell Foundation, 87, 133
Microsoft, 7
MissionPoint Capital Partners, 128
MIT’s Education Arcade, 54–56
Mixed-aged culture, 12
Mobile learning, 16
Mosaica Education, 121
Motivating learning strategies: clear multiple long- and short-term aims, 51; confidence, 52; continuous grading, 51; element of uncertainty, 51; feedback, 51; finding windows of learning, 51; reward effort, 51
Motivation: alternative reality games and, 48–50; bringing gaming to school to facilitate, 52–53; cognitive research on, 47–48; how action video games impact, 58; integrating customization, equalization, and, 79–100; as liberal arts education benefit, 28; Quest to Learn (Q2L) [Manhattan] approach to, 56–57; seven things
we know about learning, 50–52; simulations and impact on, 53–56, 58–60

*Moving Learning Games Forward* report (Education Arcade), 55

Murdoch, Rupert, 43

Music keystroke data, 38

MyHomeLearning.com, 85

**N**

N-E-I-E-I-O mnemonic, 99–100

National Association of Software and Service Companies (India), 141

National Educational Technology Plan, 81

National Heritage Academies, 121

National Public Radio, 58

Netflix, 39

New American Schools Development Corporation, 13

New Profit, 129

New Tech Network, 10

New York City Department of Education’s Research and Policy Support Group, 86

New York City iZone, 140

*New York Times Magazine*, 56

News Corporations, 131

NewSchools Venture Fund, 116, 129, 139

No Child Left Behind, 102, 111

Nonprofit organizations: description of, 122; limitations for school funding by, 121–124; role for education capital investment by, 126

North Carolina Virtual Public School, 153

Nundy, Neera, 17

**O**

Obama, Barack, 129

Obama stimulus programs, 8–9

OER Commons, 69

O’Hara, Jeff, 154

Online content: capital investment in, 130; CK-12 (free online textbooks), 36; efforts to organize open, 69; Flex model of, 95; instant feedback driven by embedded, 36–38; open education resources (OER), 69, 70; potential for equalization through, 67–71; saving school budget by using open, 69–71; shift toward using, 11

Online courses: blended (or hybrid) schools offering, 80–81; capital investment in, 130–131; first generation of, 35; increasing application of, 80–82; individual progress learning component of, 35; overcoming opposition to, 112–114; providing equal access to students, 67–68; PsPU platform for, 76–77; STEM and AP, 70, 131; teaching, 141; Web 2.0 learning tools used for, 35–36
Online guidance: customization by personalized, 41–43; equalization through, 73–76
Online guidance systems, 41–42
Open education resources (OER), 69, 70
Opportunity at the Top (Public Impact report), 67
Oregon Trail (game), 52
Osterweil, Scot, 54
Outward Bound, 14

P
Packard, Ron, 93
Palfrey, John, 21
Parents: educator role of, 144–147; providing educational choice to, 105–106; taking back responsibility for learning, 11; unique student identifier for privacy management by, 39
Parsons The New School for Design, 56
The Parthenon Group, 123
Patillo, Bob, 133
Pearson’s Common Core series, 130
Peck, M. Scott, 155
Pedagogy (student-centered), 11
Performance learning centers (PLCs), 35
Personal digital learning: changing the world through, 160; as competency-based, 35; examples of informal, 3–5; five information economy implications for, 27; five new priorities for, 25–27; mobile-based, 16; power of the, 27–29. See also Learning revolution
Personalized guidance system, 41–42
Philanthropic investment: capital investment by foundations, 135–137; impact investing by foundations, 137–140; limitations of nonprofit, 121–124; role for private and, 126
Physics keystroke data, 38
Pitroda, Sam, 141
Platform ecosystems, 43
Predictions: access to online courses for AP and STEM courses, 70; active learning models fit to how most boys learn, 23; blended high schools using physical space/online learning, 20; blended school models leveraging community resources, 96; budget issues driving shift to blended models, 113; Common Core State Standards long-lasting impact, 132; explosion of digital services market, 123; innovative mobile learning models used in India adopted in U.S., 81; instant feedback from games, simulations, and virtual environments, 54; keystroke data providing insights into motivation, 48; KnowledgeWorks’ map of the future, 159; learning platforms featuring smart
recommendation engine, 40; low-cost blended private schools serving Third World countries, 16; performance contracting, 107; replacing struggling schools with blended schools, 111; school facilities sold for redevelopment instead of remodeling, 125; second-generation recommendation engines driving tutoring, 33; shift from printed to digital texts, 76. See also Learning revolution

Prensky, Marc, 22
Presence TeleCare, 75

Private investment: blended capital approach for, 127–129; opportunities for, 129–132; pros and cons of, 120–121; role for philanthropic and, 126

Prospect (magazine), 50
PsPU, 76–77

Q
Quest to Learn (Q2L) [Manhattan]: innovative gaming curriculum at, 56; Q2L glossary from website of, 57

R
Race to the Top, 9
Reader Rabbit (game), 52
Reading keystroke data, 37

Reality Is Broken: Why Games Make Us Better and How They Can Change the World (McGonigal), 48
Recovery School District (New Orleans), 140
Relationships for learning, 12
Rethinking Education in the Age of Technology (Collins and Halverson), 12
Revolution Foods, 139
The Road Less Traveled (Peck), 155
Robin Hood Foundation, 87
Rocketship Education: John Dan- ner’s return on investment through, 152–153; origins and development of, 87–89; profile of, 83
Rocketship Mateo Sheedy Elementary School (San Jose), 88–89
Rose, Joel, 83–84, 86
Rowland, Toby, 7, 144
Ruby on Rails (open software), 70–71

S
Salen, Katie, 56
Schoeniger, Gary, 9
“School in a box” model, 156
School of One: origins and development of, 83–87; playlist term used by, 85; profile of, 82; smart engine algorithm used in, 41
“School of One Evaluation—2010 Spring Afterschool and Short-Term In-School Pilot Programs” report, 86–87
Schools. See K–12 schools
Science Leadership Academy (Philadelphia), 66
Setser, Bryan, 153
Shah, Parth, 133
Simulations: examples of learning applications of, 53; military training applications of, 53, 58–61; motivating learning through, 54–56. See also Games
Sivin-Kachala, Jay, 95
SKS Microfinance, 134
Smart engines: customizing curriculum development using, 40–41; examples of commercially used, 39
Smith, Preston, 88, 89
Smithsonian Institution, 54, 55
Social networks: Edmodo as social learning platform, 36, 72, 144, 154–155; educational use of, 72–73; as eventually replacing classrooms, 71–72
SRI International, 25
Srivastava, Saurabh, 141
Standardized testing, 24
Startl, 129
STEM (math, science, and technology) courses: capital investment in online, 131; predicted access to online, 70. See also Math instruction
Stiglitz, Joseph, 74
Strive for College Collaborative, 74
Student-centered pedagogy, 11
Students: boredom as number one enemy of, 23–24; creating culture of learning for, 71–73; customization using profiles of, 38–39; ensuring Internet access to all, 105; Living and Learning with New Media study findings on, 21–22; new education job of, 151–152; providing online guidance to, 41–42, 73–76; unique student identifier for privacy management by, 39. See also Digital natives; Educators; Learning

T
Tapscott, Don., 21
Teach for America (TFA), 116, 121, 129, 154
Teaching: creating a new box for, 149–150; online, 151; outside the box, 147–149. See also Educators
Technology: available as educational digital tools, 15–17; facilitating customization, 31–32. See also Educational digital tools
TED Conference, 65
Time Magazine, 8, 86
Tooley, James, 134
Torres, Robert, 56
Transformational productivity, 116–118

U
U.K. military training simulations, 59–61
Union Square Ventures, 153
United States: educational crisis in the, 2; idea economy in the, 5–6; two growth economies in the, 5
University of Memphis, 95
University of the Pacific Dental School, 53
U.S. Department of Defense, 53, 61
U.S. Department of Education, 75, 81, 129
U.S. military training simulations, 53, 58–59
US News and World report, 73
USA Today, 54
Usha Martin, 134
Ushodaya High (India), 16–17
Using the Technology of Today in the Classroom Today report (Education Arcade), 55

V
Vander Ark, Katie, 19–21
Vanished (environmental mystery game), 54
Virginia Virtual Academy, 94–95
Virtual World Labs (Lockheed), 59
Voelker, Joyce, 94–95

W
Wall Street Journal, 127
Walmart, 8
Walton Family Foundation, 106
Web 2.0 learning tools: examples of instructional modality, 36; online course use of, 35–36
Weighted student funding, 107, 108
West Virginia Board of Education, 108
Wezman, Paul, 33–34
Where in the World Is Carmen San Diego? (game), 52
Whitehead, Clay, 74–75
Wick, Chad, 25
Wikinomics (Tapscott), 21
Wikipedia, 15, 76
Wilson, Fred, 153–154
Wireless Generation, 43, 84, 131, 139
Wise, Bob, 105, 137
WiZiQ, 76
W. K. Kellogg Foundation, 138
World Bank Institute, 49
Writing data: keystroke data on fifth-grade student day, 37; keystroke data on tenth-grade student day, 37–38

Y
YaleGlobal Online, 8
YouTube: as digital tool, 15; Kahn Academy tutorials born on, 68
Yunus, Muhammad, 129

Z
Zakaria, Fareed, 8