Index

A
American with Disabilities Act (ADA) 134
assistive technology 114–130, 134, 135, 136
Assistive Technology Act 114, 115, 116, 117
assistive technology device 115, 116, 120, 126
assistive technology service 116
augmentative communication 121, 122, 126
available cognitive capacity 133

B
backwardness 78
blogs 22, 66, 152, 154, 161

C
Center for Applied Special Technology (CAST) 219, 222
Centros de Desarrollo Infantil (CENTI) 83, 84, 85, 204
child initiated play 57
cognitive development 21, 22, 27, 28, 30, 32, 59, 80, 90, 110, 118, 126, 127, 133, 134, 136, 145, 146, 178, 181, 182, 185, 186, 197, 207, 212
community of mind 187
Confucianism 21, 26
Consejo Nacional de Fomento Educativo (CONAFE) 84
Consejo Nacional de Población (Conapo) 73, 74, 91
constructivist 163, 164, 172, 173, 174, 210, 213, 214
cooperative learning 136
cram schools 26
critical reflection 2, 3, 4, 5, 9, 12, 13, 15
culturalness 7
curriculum development 95, 98
CyberStart 219

deschooling 15, 16
developmentally appropriate 3, 4, 18, 131, 136, 138, 145, 160, 162, 200
didactic situations 86
digital divide 141, 142, 147, 148, 156, 219, 232
Digital Generation Gap 155–156
digital immigrants 20, 34
digital native 22, 23
diploma mills 15, 16, 18
early childhood education (ECE) 177, 204
electronic communication 152, 156
electronic portfolio 102, 103
Embedded Systemic Model 190
extrinsic 173, 207

F
functional performance 134

G
gait trainers 120
group-oriented environment 49, 50, 57, 58, 60, 61, 62, 66

H
Head Start 132, 133, 150, 210
Heidegger, Martin 5, 6, 7, 8, 13, 14, 17, 18
heuristic system 59
hierarchical system 80, 197
hubs 64, 66, 67

I
imaginative play 173
Individual Educational Plan (IEP) 115, 117, 124, 126
Individuals with Disabilities Act (IDEA) 134, 146
instructional delivery 136, 144
instructivist 173, 174
International Netpal Project 28, 34
International Society for Technology and Education (ISTE) 97, 111, 163, 173, 175
intrapsychological 179
intrinsic 173, 193, 207

J
Japanese Early Childhood Programs 56

K
Kurahashi, Shozo 57, 62, 67, 68

L
latchkey children 156
LOGO 63
Luddite 12

M
Mexico, education 70–93
mobility aids 119
Montessori, Maria 80, 92, 197, 214
Montessori school 28

N
National Association for the Education of Young Children (NAEYC) 96, 97, 112, 122, 129, 138, 145, 152, 154, 157, 161, 162, 163, 173, 175, 202, 205
National Council for Accreditation of Teacher Education (NCATE) 96, 97, 102, 104, 112
National Curriculum Standards 50, 59, 60, 61, 64, 66, 69
National Institute for the Evaluation of Education (INEE) 75, 76, 77, 78, 92
National Research Council (NRC) 139, 147, 178, 204
Net Generation 22, 146

O
one laptop for every child 7
Open Access 157–158
Organization for Economic Co-operation and Development (OECD) 78, 83, 91

P
parent involvement 156, 158, 194
pedagogy 162, 172, 173, 195
personal epistemology 178, 179, 180, 181, 183, 184, 185, 186, 187, 188, 189, 190, 192, 194, 195, 196, 197, 198, 199, 202, 203, 204, 205, 206, 207, 208, 209, 210, 212, 213, 214
philosophy of technology 1, 2, 5, 8, 14, 16
Piaget’s cognitive theory 118
pre-service teachers 97, 100, 105, 106, 107
professional development session 9
public square approach 81

R
reflexivity 9

S
School Strategic Transformation Plan 79
Secretaria de Educación Pública (SEP) 73, 74, 75, 76, 77, 80, 83, 84, 85, 90, 91, 92, 93
self-regulatory efficacy 107
Sistema Educativo Nacional (SEN) 73, 76, 78
SMART board 101, 102
SMS 13
social development 120, 127, 151, 186, 191, 194, 196
socialization skills 49, 50, 62
standers 120
standing reserve 6
student information systems (SIS) 149, 152, 154
symbolic play 118, 122, 123

T
tactile learning 163, 173
talking book 119
technoliteracy 11, 18
technological artifacts 132
technological literacy 9, 21
technology deprivation 142
technology integration 95, 111, 162, 163, 164, 165, 170, 172, 173, 174, 175
technorealism 97
thematic teaching 25, 28, 34
teaching book 119
theory of mind 179, 181, 184, 185, 186, 187, 188, 191, 192, 193, 194, 207, 208, 209, 210, 211, 215, 216
Turing, Alan 1, 19

U
universal access 132, 142
universal design 116, 117

V
value bias 5
visual schedule 118, 119

W
worker as researcher 3, 4
worker as technician 3