

# Index

## A

academic content 23  
 action statements 112, 130  
 affective domain 5, 51, 135, 156  
 affective domain taxonomy 7  
 affective taxonomy 53  
 analysis 49  
 application 49  
 articulation 10, 58  
 asynchronous communications 96  
 audio-conferencing 78  
 Ausubel, D. 32

## B

behavioral theorists 25  
 behaviorism 24, 51,  
     78, 118, 138, 161, 184, 208, 228  
 Bloom, B. 3, 22, 48  
 Bloom's Taxonomy 3, 49  
 body-kinesthetic intelligence 4  
 brainstorming software 97

## C

characterizing 54  
 Children's Internet Protection Act (CIPA)  
     203

classroom behavior 76  
 cognition 1  
 cognitive domain 1, 133, 154  
 cognitive psychologists 30  
 cognitive psychology 22  
 cognitive taxonomy 49  
 cognitive teaching 2  
 cognitive-constructivist psychologists  
     30  
 cognitive-developmental psychologists  
     30  
 cognitivism 24, 29, 80, 119,  
     139, 162, 185, 202, 209, 230  
 collaboration 90  
 comprehension 4, 49  
 computer-assisted instruction (CAI) 14,  
     28, 79  
 computer-based instructional systems  
     73  
 computer-based teaching (CBT) 81  
 computer-delivered instruction (CDI) 81  
 computer-managed instruction (CMI) 81  
 computer-mediated communication 66  
 computer-mediated learning (CML) 66  
 computers 11  
 cooperative learning 35, 82

## D

decision-making 90  
decision-making technology 97  
decision-making tools 148  
Dewey, J. 61  
dexterity 56  
digital materials 104  
discovery learning 32  
drill and practice 79

## E

e-mail 39, 76, 130  
e-zines 101  
educational psychology 22  
educational technology hardware 67  
educational technology software 67  
epistemology 40  
equal access 218  
Erikson, E. 31  
esthetic development 55  
experience-based instruction 36  
experiential validity 40

## F

face-to-face interaction 35

## G

Gagne, R. 2  
Gardner, H. 3  
global awareness 219  
global education 219  
graphic organizers 84

## H

hardware literacy 92  
Harrow, A. 9  
hierarchy of human needs 33  
human behavior 33  
human learning 52  
humanism 24, 33, 82, 120, 141,  
164, 187, 211, 232  
hyperbook 105  
hyperlinks 84

hypertext transfer markup language  
(HTML) 104

## I

imitation 57  
information age 37  
information and communications  
technologies (ICT) 67  
information literacy 101  
information processing 32  
infused technology 175  
infusion 90, 101  
instructional design systems 73  
instructional technology 1, 12,  
73, 118, 133  
integration 90  
integration technologies 199  
intellectual activity 50  
intelligent performance support systems  
75  
interactive lesson 105  
International Society for Technology in  
Education 41  
Internet services 66  
interpersonal intelligence 4  
intra-personal intelligence 4

## J

Jobs, S. 38

## K

knowledge 4, 49  
knowledge construction environment 75

## L

Law of Exercise 27  
leadership abilities 15  
learning 41  
learning management systems (LMS)  
128  
library skills 101  
linguistic intelligence 4  
literacy 90, 114  
logical-mathematical intelligence 4  
"low-tech" technologies 77

**M**

manipulation 10, 57  
 Maslow, A. 33  
 mastery learning 29  
 McLuhan, M. 62  
 measurable actions 50  
 media 62  
 media for communications 62  
 media for construction 63  
 media for expression 63  
 media for inquiry 62  
 media taxonomy 62  
 meta-cognition 2  
 motivation 40  
 motor skills 58  
 multiple intelligences 4  
 musical intelligence 4

**N**

National Educational Technology  
 Standards (NETS) 110, 127  
 naturalist intelligence 4  
 naturalization 10, 58  
 negative reinforcement 27  
 No Child Left Behind (NCLB) Act 155

**O**

open classroom 35  
 open education 35  
 operant conditioning 27  
 organizing 54

**P**

Pavlov, I. 26  
 personal development 55  
 personal digital assistants (PDAs) 120  
 physical coordination 56  
 physical-based objectives 59  
 Piaget, J. 30  
 positive interdependence 35  
 precision 58  
 problem-solving skills 98  
 programmed instruction 28, 79  
 psychology 40

psychomotor domain 8, 55, 136, 158,  
 205  
 psychomotor skills 8, 77

**Q**

quality of performance 58

**R**

receiving 7, 53  
 reception learning 32  
 reinforcement 28  
 relational teaching 7  
 responding 7, 53  
 Rogers, C. 34

**S**

search engines 66  
 self-development 33  
 self-esteem 15  
 SeSDL taxonomy of technology 64  
 simple and advanced object manipula-  
 tion 56  
 Simpson, E. 9  
 simulation programs 79  
 Skinner, B. F. 27  
 social fairness 219  
 software engineering 73  
 software literacy 92  
 spatial intelligence 4  
 stimulus-response reinforcements 22  
 student achievement 218  
 student assessment 218  
 student collaboration 128, 135, 142  
 student learning 22  
 student learning objective 136, 238  
 student literacies 115  
 student-centered literacy 118  
 synchronous communications 96  
 synthesis 50

**T**

Taxonomy for the Technology Domain  
 72, 77, 82, 89, 110, 136, 148, 238  
 taxonomy of technology as media 67  
 teacher behavior 23

teacher communication 140  
teacher role 40  
teacher-as-expert  
116, 135, 156, 179, 203,  
225, 238  
teacher-as-learner 114, 137, 157,  
161, 181, 185, 204, 227  
teacher-as-scholar 117, 134, 159,  
163, 186  
teaching strategies 3  
teaching-learning model 23  
tech-ology (Level 6.0) 90, 106, 217,  
220  
technological literacy 16  
technology 36, 72  
technology collaboration (Level 2.0) 93,  
126, 131  
technology decision-making 149  
technology domain 11  
technology for decision-making (Level  
3.0) 97, 147  
technology for infusion (Level 4.0) 100  
technology for integration (Level 5.0)  
103  
technology for literacy (Level 1.0) 91,  
109, 117  
technology infusion (Level 4.0) 171,  
173  
technology integration (Level 5.0) 194,  
207  
technology-based “cognitive tools” 73  
technology-based learning objectives  
122  
telecommunications 76, 93  
text-based materials 17  
Thorndike, E. L. 26  
tutorials 80

## V

value development 55  
valuing 7, 53  
video technology 78  
visual-based materials 17  
Vygotsky, L. 31

## W

Web-based materials 17  
World Wide Web 66, 77, 102  
Wozniak, S. 38

## Z

zone of proximal development 31