

Index

A

acceptable use policies and procedures (AUPP) 301
 active directory 243
 administrative support 75, 163, 191, 194-195
 adult learning 31, 112-113, 169, 309-310, 315
 American Reinvestment and Recovery Act (ARRA) 349
 Americans with Disabilities Act (ADA) 109, 265, 268
 andragogy 31, 309-310, 316-317
 Association for Educational Communications and Technology (AECT) 19

B

barrier 60, 96-97
 budgetary strategy 102, 119

C

Catalog of Federal Domestic Assistance (CFDA) 349
 change agent 4, 14, 17, 230, 280
 cloud computing 10-11, 219, 244, 267, 295, 299-300, 306
 coaching 3, 5, 154, 159, 161, 163, 179-181, 197, 290-291
 collaborative learning 19, 27, 31, 34, 36-38, 40, 272
 committee 6-7, 15, 17, 46, 50, 53, 61, 68, 71, 73-85, 88, 96, 98, 101, 108-111, 115, 117-119, 125, 132-133, 135, 138, 140, 164-165, 192, 204, 243, 270, 340
 community forum 343
 Community of Science (COS) 344, 350
 community outreach 269, 271, 274
 completion of a deliverable 116
 comprehensive professional development (Comp PD) 177

computer coordinator 230, 232
 Computer Supported Collaborative Learning (CSCL) 40
 concept map 345-346
 conference proposal 375, 377, 387
 context criteria 112
 continuing education units (CEUs) 202, 302
 cooperative learning 40, 273
 Core Data Service (CDS) 231
 curriculum development 10, 105, 121, 123, 177, 231-232, 235, 241, 360, 371

D

decision making process 158, 176, 229
 departmental 3, 258, 268
 Department of Health and Human Services (DHHS) 347, 349, 361
 desktop virtualization 233-234, 239, 244-245
 development training 8-9, 95, 112-114, 127, 136, 154, 171-172, 174, 176, 181, 185-186, 191-192, 199, 204-205, 216, 221, 232, 335
 digital equity 93
 digital natives 29-30, 33
 digital textbook 305
 dissemination 1, 14, 17, 100, 125, 154, 208, 356, 362, 373-374
 distance learning 156, 168, 320, 370
 double-blind review 388

E

ease of use 243
 edit war 40
 educational institution 71, 78, 98, 105, 112, 124, 132, 164, 172, 235, 237, 244, 251
 educational media 19, 35, 40, 99, 225, 239
 eLearning 181, 187
 electronic medical records (EMR) 233

Index

emerging technology 11, 31, 78, 153, 156-157, 166, 207, 216, 293, 297, 299
empowerment 232, 270
ethical 19, 28, 40, 48, 257, 272, 319, 323, 333-335, 382
exemplar 98, 100
external funding 12-13, 209, 341-343, 345-346, 348, 350, 354, 366-369, 371-372

F

Family Educational Rights and Privacy Act Regulations (FERPA) 269
female roles 61, 63
Firewall 250
focus group 142, 326, 330
formative assessments 127-129
funding opportunity announcement (FOA) 346, 349-351, 354, 361-362, 365

G

Gantt Chart 117
gender biased 63
grant proposal 341-346, 351-352, 354-356, 362-363, 365-369, 371-372

H

hands-on experience 197
human resources (HR) 288

I

implementation pitfalls 84
in-basket 210, 223, 226
Individuals with Disabilities Education Act (IDEA) 268
industrial arts 55, 59, 61, 66-69
industrial technology 57-61, 66-69
Information Systems Department (ISD) 307
infrastructure 10, 31, 71, 73, 79-81, 84-86, 101, 106, 108-109, 111, 115, 118, 120, 138, 144, 155, 162-163, 215, 219, 229, 233, 237, 242, 345
instructional design and technology (IDT) 19
instructional designs 157, 338
instructional outcomes 158
instrument 125-126, 138, 142, 216, 234, 310, 327, 330, 335, 339, 349
International Society for Technology Education (ISTE) 187
internet-based 34, 187, 213
IT initiatives 92, 100

J

JSTOR 34, 42

K

key informant 343
knowledge broker 96, 100

L

leader behavior 56
leadership competency 56
librarian 233, 241
license renewal 172, 175-176
Linux 245, 254, 257, 259
Local Education Agency (LEA) 139
logic model 345-348, 353, 363, 368, 370

M

macro setting 206, 209, 211, 223, 226
main distribution facility (MDF) 247
methodology 103, 116-117, 134-135, 158, 163, 172, 234-235, 284, 302, 322, 324-326, 329, 331, 333, 335, 337, 345, 380
micro setting 206, 209, 211, 223, 226
middle manager 282, 289, 292
mission statement 73, 77-79, 85, 87, 101, 103
mobile technology 295, 303-304, 306, 381
multi-generational employees 263, 274
Muni-Fi 299, 304, 307
MySQL 245, 259, 314

N

National Academy of Engineering (NAE) 46, 50
National Association for Female Executives (NAFE) 63
National Educational Teaching Standards (NETS) 180, 187
National Educational Technology Standards for Students (NETS-S) 191, 205
National Endowment for the Arts (NEA) 347
National Institutes of Health (NIH) 349
National Research Council (NRC) 46
National Science Foundation (NSF) 57, 60, 64
National Staff Development Council (NSDC) 112, 167
National Technology Standards for Teachers (NETS-T) 191, 205
needs analysis 7, 73, 79-80, 85, 87-88, 98, 100-101

networking 81, 114, 182, 185, 195, 215, 217, 247,
250, 257-260, 287, 300-301, 303-304, 306,
344, 374, 378, 384-385, 387-389

No Child Left Behind (NCLB) 153

NORF 309-310

Northwest Educational Technology Consortium
(NETC) 138

O

offsite connectivity 299

online instruction 18, 27, 29, 33, 114

open directory 243

open source 21, 40, 160, 244-245, 251, 258-259,
270, 275

organizational boundary 280, 282-290

P

panel discussion 379, 388

participant 29, 75, 142, 208-211, 215-216, 221, 323,
326, 337, 339-340, 345, 355, 357-360, 363-
365, 372, 377

pedagogic interventions 11, 278-282, 290-292

pedagogic managerial leadership 11, 278, 290

pedagogy 18, 31, 33-35, 56-57, 62, 235, 240, 263,
309, 316-317

phase transition 116

Plain-Old-Telephone-Service (POTS) 255

poster session presentation 376, 388

pre-planning 7, 74-76, 82, 84-85, 88-89, 103-104,
108, 115

process criteria 112

professional journal 379, 381, 388

professional organization 14, 241, 348, 384, 389

Program Evaluation and Review Technique (PERT)
117

programmed instruction 22-23, 33, 36-37, 40-41

Q

qualitative data 135, 142, 209, 323-326, 330, 332

quantitative data 132, 135, 142, 323-324, 328-332

R

rates of completion 116

Red Tape 265, 273-274

release time 182, 201, 205, 343-344, 364

request for proposal (RFP) 346-347, 349, 351, 354

resource center 217-220, 226, 350-351

S

scaffolding 25, 29, 32, 34, 41

Science, Technology, Engineering, and Math
(STEM) 57

simulation 210, 309

SMARTBoards 321

social networking 114, 215, 300-301, 304, 306, 374,
385

software applications (apps) 160, 215, 243-244, 246,
254-256, 267, 296-300, 304, 306

staff training 114, 135-136, 153-154, 157, 235

stakeholder 104, 142, 312, 316

statistical analysis 322-324, 327, 329, 335, 343

student achievement 30, 32, 133, 143, 152-153, 155,
158-161, 164-166, 168, 177, 204, 241, 343,
346, 350, 369

student centered 16, 24, 26, 32, 41, 153, 172, 178-
179, 183, 190, 192, 204, 316

student learning 23, 72, 78, 114, 133, 153-154, 159-
161, 163, 166, 175, 178-180, 183, 192, 203,
206, 208, 212, 215, 221, 223, 236-237, 263,
268, 275, 294

subcommittee 165

substantivism 47

summative assessment 13, 127-129, 142

support staff 75, 84, 88-89, 96-98, 100, 218, 258,
341, 346

sustainability 270-271, 366

T

tablet computing 244, 246

teacher centered 25-26, 41, 153, 190, 192

technical assistance 114, 160, 193-194, 352

technocentrism 37, 41

technological knowledge 47, 50, 52-54, 56

technological lock-in 29-30

technology-based curriculum 221

technology coordinator 9, 17, 90-91, 99, 143, 195,
199, 232, 235, 238-241, 259

technology director (TD) 55, 259, 293, 295, 298,
307, 369

technology facilitation/leadership (TF) 237

technology implementation 8, 11, 13, 17, 49, 72, 77,
89, 122, 152, 154, 163-165, 173, 185, 192, 335,
370

Technology Integration: Practical Strategies (TIPS)
187

technology plan 6-8, 17, 71-72, 74-77, 79, 81-86,
99, 102, 111, 121, 124, 126, 132, 141-142, 164-
165, 197, 203, 228, 237, 267, 342

Index

technology specialist 232, 241
technology support 2, 88, 96, 134, 219, 243, 258
Tekhne 46
teletraining 3
The National Education Technology Plan 73, 109
timeline 7, 37, 74, 77, 116, 122, 345, 355, 362-363, 365, 368
total cost of ownership (TCO) 11, 243, 245

U

unit testing 209-210, 223, 226
U.S. Department of Education 16, 29, 36, 73, 142, 196, 204, 231, 269, 274, 349, 354, 369, 371

V

videoconferencing 3, 232, 256, 358
vision statement 73, 76-77, 79, 85, 87, 101, 114, 122
Voice-Over-IP (VOIP) 247, 255

W

web filtering 254
web portfolio 308-317
Wide Area Networks (WAN) 249
Wi-Fi 299, 301, 304, 307
wiki 28, 40, 176, 180, 254-255
wireless connectivity 296, 298-299, 304
work integrated learning 281, 292
work product 209
World War II 23, 57