

Index

A

activity system 300, 303-305, 311, 313
 Administration Component 353-354
 Adobe Connect 53-55, 184-186, 188, 197, 383
 adult learners 147, 151-152, 204, 321
 adult learning 147, 372
 Advancement Via Individual Determination (AVID) 91, 94-95, 97, 105, 238
 Agile Methodology 118, 123
 Alberta Law Foundation 366
 American Distance Education Consortium (ADEC) 167, 179-180
 American Library Association (ALA) 174-175, 180
 American Theological Library Association (ATLA) 175-176, 178-179, 364
 ANGEL system 71
 Anytime Anywhere Learning (AAL) 40
 Apple Classrooms of Tomorrow (ACOT) 40
 architecture of participation 1, 6
 Arizona IRB (Institutional Review Board) 3
 Artisanal Miners 246, 254, 257
 Assistive Communication Devices 111, 113-114, 123
 Association for Library & Information Science Education (ALISE) 169-170
 Association to Advance Collegiate Schools of Business (AACSB) 24, 26
 Asynchronous Communication 69, 71-72, 76, 158
 asynchronous learning 151, 203
 authentic learning 191-193, 197, 201-203
 Authorstream 186
 Avian Research and Education Institute (AREI) 29, 31, 33, 36-38

B

Bird Banding 31, 33-34, 37-39
 Bird Banding for Education 39

Bird Studies 29, 33-36
 Blackboard 49, 66, 118, 143, 146, 149, 158, 175, 184-185, 187, 205-207, 383
 Blackboard LMS 175
 blended learning 147, 191, 202-203, 294
 Blogger 236, 238
 blogging 60, 81, 137, 145, 147
 blogs 3, 7, 14, 42, 143, 147-149, 151, 170, 239, 243, 307, 399
 Bolter, Jay David 387, 394, 400
 Bonner Center for Civic Engagement (CCE) 126-127

C

Cambridge Friends School (CFS) 40, 42-45, 47-49
 Canada Revenue Agency (CRA) 368-371
 Celtic Tiger 78, 87
 Center for Academic & Social Advancement (CASA) 320-321
 Center for Digital Storytelling (CDS) 306, 308, 314, 316, 333-334, 370
 Center for Online and Blended Learning (COBL) 147
 Centre for Public Involvement 374, 376-377, 380
 Charities Partnership and Outreach Program (CPOP) 368-370, 373
 Charlestown Digital Story Project 314-317
 child-computer interaction 40
 Children, Youth, and Environments Center for Research & Design (CYE) 90
 citizen panels 374-380, 395
 citizen scientists 29, 37
 Citizenship Education (CE) 329, 332-334, 336-338
 Civic Engagement 12, 20, 78-79, 86-87, 106, 121-124, 126-127, 134, 139, 152, 163, 236, 243, 275, 338, 342-343, 346-347, 380, 395, 401
 Clemson University 381-385
 clinical education 127

Index

collaboration through service-learning 58
collaborative knowledge 7
collaborative learning methods 54
College Component 353-354
College of Charleston (CoC) 69, 73
College of Education and Allied Professions (CEAP) 213, 217-218
College of Mount St. Joseph (MSJ) 29, 31, 36-37, 39
Commission for Africa 287, 294
communication and collaboration 69-70, 74-75, 307, 397
communication and collaboration tools 70, 74
communities of practice (CoPs) 202, 287-288
community-based learning (CBL) 87, 122, 124, 126-127, 346
Community Knowledge Initiative (CKI) 79-82, 85-87
community leaders 20, 22, 82, 124, 127, 301, 388
community needs analysis 79-80, 85
community partnership 1, 6, 13, 19, 31, 51, 59, 65, 85, 96, 122, 124, 126, 142, 159, 192, 203, 205, 215, 235-236, 239, 274-275, 332, 335, 343, 346, 348, 363, 376, 387, 390-391, 394, 398, 400-401
community projects 18, 25, 129, 235-236
community resource professionals 191-192, 194-196, 198, 200-201, 203
community service 12-13, 37, 67, 86-87, 103-104, 107-108, 121-123, 126, 128, 133-134, 138, 183, 185, 190, 193, 242, 326, 337, 342, 401
community-university partnerships 2, 4-5, 13, 319-321, 324-325, 387-392, 395-400
community work 237-238, 391
complex interactive media projects 278
Cooperative Education (co-op) 350-354, 356-357
Corporation for Educational Network Initiatives in California (CENIC) 309
Correctional Higher Education Consortium 262
course management system (CMS) 71-72, 74, 76, 135, 143, 146, 154, 158, 174, 194-195, 206, 210, 265, 337
critical service-learning 63, 122
Critical Success Factors 106-107, 109-113, 115-118, 120, 123
Crooms Academy of Information Technology (CAIT) 51-55
cross-campus technology 210
cross-institutional public health education 211
culturally and linguistically diverse youth (CLD) 89-91, 93-97, 100-101, 103-104

D

Dare to Discover vision document 376
Deficit Reduction Act 282
degree programs 223-224, 229-230, 259
Delta Mean/Standard Deviation Matrixes (Δ MSM) 354-355
Democratic Republic of Congo (DRC) 245-247, 249, 251-253, 255-257
Department of Land and Natural Resources/Division of Forestry and Wildlife (DOFAW) 59, 61-66
Desire2Learn (D2L) 146, 206
Digg 236
digital age 13, 141, 143, 243, 395
digital cameras 92, 97-98, 271-272, 302
Digital Divide 9, 41, 50, 130, 133, 138, 142, 243, 260, 267, 271, 277, 295, 312-313, 330
digital era 142
digital immigrants 41, 50, 142-143, 150, 152, 282, 285, 395, 401
digital imperative 150-151
Digital Literacy Project (DigiLit) 40, 42-45, 47-49
Digital Nation 143
digital natives 41, 50, 143, 150, 152, 282, 284-285, 395, 401
digital production centers (DPC) 359-363
digital storytelling 88-93, 95-104, 197, 305-307, 314-318
digital technologies 50, 104, 154-155, 300-302, 304-307, 309, 350, 360-361, 363, 365-366, 368, 371-372, 376, 394
digital tools 6, 51, 145, 148, 150, 157-158, 265, 306-307, 309, 361
digital worlds 236
digital writing 6, 147, 243
digital writing scholars 6
DimDim 186, 197
distance education 56, 142, 145, 147, 151-152, 164-165, 167, 179-180, 202, 204, 210-211, 258, 260, 264, 383
distance education technology 210
distributed cognition 301, 303, 313
distributed collaboration 61
district-level administrators 101, 154, 214
Division Component 353-354
donation projects 186
Dropbox 72-73, 75

E

Eastern Kentucky University (EKU) 387-389, 391, 400-401

East Tennessee State University (ETSU) 204-206, 208
 eBird 29, 31, 35
 Ecole Supérieure des Techniques Aéronautiques et de Construction Automobile (ESTACA) 69-70, 73
 economic downturn 153
 Edmodo 3, 14
 Edmonton, Canada 373, 375-379
 educational research 50, 86, 159, 163, 223, 225, 331, 338, 355
 eField Guides 29-31, 35-37
 e-learning 49, 170, 180, 260, 286-296, 298, 372
 Electrical and Computer Engineering (ECE) 69
 Embry-Riddle Aeronautical University (ERAU) 221-225, 229
 e-mentoring 212-217
 e-mentoring program 212, 216
 e-mentors 213-217
 Employer Component 353
 Engineering Management (EM) 69, 72, 74-76
 English as a Second Language course (ESL) 91, 94, 96-97, 100, 104
 e-portfolios 149
 e-Projects in Community Service (ePICS) 133-135
 e-responders 156
 Erickson, John 118, 121, 315-317
 Erickson Retirement Communities 315
 ethos 58-60, 62-63, 65, 257
 Evidence for Policy and Practice Information and Coordinating Centre (EPPI) 332, 337
 evolution of networks 342
 experiential knowledge 1, 5

F

Facebook 6, 19, 71, 74, 130-132, 142, 151, 235-236, 238, 240, 249-251, 257, 307, 370, 374, 376-377, 379-380
 face-to-face (F2F) 16, 29, 50, 52, 58-66, 69-70, 75, 144-146, 148, 154, 158-162, 165, 168-170, 172, 178-179, 188, 194-196, 200, 202-203, 209, 212-215, 249-250, 264, 279, 301, 303, 308, 311, 324, 353, 368, 371, 380, 394, 396, 399
 face-to-face learning 194
 face-to-face meetings 65, 75, 169, 188, 209, 249
 faculty awards 167
 faculty development 147-149, 152, 164-165
 FCAT Statewide Science Scores (SSS) 222
 filesharing 72, 236, 238-239, 242

First Step Initiative (FSI) 245-255
 Flickr 238
 Flip-Cam 55
 Florence school district (SC) 381-383, 385-386
 Florida Center for Research in Science, Technology, Engineering, and Mathematics (FCR-STEM) 229
 Florida Comprehensive Assessment Test (FCAT) 222, 231-233
 food banks 186
 free lectures 175
 Fund for the Improvement of Postsecondary Education (FIPSE) 351, 353-354, 356

G

GeoGraffiti 3, 14
 global civil society 16, 27-28
 global communities 29, 37, 333
 global network 15, 28
 Glogster 3, 14
 Google 2, 6-8, 61, 64-65, 67-68, 71-72, 74, 147, 168, 384
 Google Groups 68, 71-72, 74, 147
 Google Wave 2, 6-8
 GoToMeeting 73
 grant administration 226

H

habitus 304, 308-310, 313
 Higher Education Authority (HEA) 78, 235, 237, 243-244
 higher education (HE) 6, 12-13, 21-24, 44, 49, 56, 60-61, 63, 65, 78, 82, 84, 86-87, 89, 93, 107, 119, 121-122, 126, 129-130, 132, 137-139, 142-144, 146, 150, 162, 174, 184, 187, 189, 191-194, 196-198, 201-203, 235, 238-241, 243, 252, 254, 258-264, 266-267, 278, 286-298, 303, 313, 319-321, 325-326, 330-331, 336-338, 350, 356-358, 360, 362, 390-392, 398, 400
 higher education institutions (HEI) 78-79, 107, 138, 287-293, 320, 330, 360, 362, 390-391, 400
 Higher Education Reauthorization Act 260
 home campus 206, 208-209
 humanitarian capitalist 27
 human rights education (HRE) 191-198, 200-201

I

Ibero-American Network for Sustainable Development (REDDES) 359-364

Index

immigrant youth 94-95, 97-98, 103
Incarcerated Youthful Offender (IYO) 261-262, 268
Individuals with Disabilities Education Act (IDEA) 3, 7, 26, 34-35, 82, 100, 105, 137, 162, 183, 189, 254, 265, 270, 272, 306-307, 314, 321, 341, 372, 379, 388, 392
Information and Communication Technologies (ICTs) 129-134, 136-137, 139, 286-287, 289-290, 292, 294, 297, 322-323, 326, 328-336, 338, 361, 397
Information Design 246-247, 249, 253, 255, 257
Information Technology (IT) 2-12, 16-26, 30-32, 34, 36, 38, 41-49, 51-53, 56-65, 67, 69, 71-90, 92-95, 99-104, 107, 109-110, 115-117, 121, 125-138, 143-146, 148-151, 154-157, 159-162, 165, 167, 170-172, 175-177, 179, 183-184, 187-188, 192, 194-201, 206-211, 214, 216-219, 222-224, 230-231, 237-238, 240-241, 244-248, 251-255, 257, 261-263, 265-266, 270-279, 281, 283, 286-291, 294-297, 301-307, 309-311, 315-318, 320-324, 326, 328, 330-336, 340-344, 346, 348, 350-351, 354-356, 360-362, 365-366, 368-373, 375-379, 383-384, 388, 390-400
instant messaging 68, 73-74, 250
Institute of Museum and Library Services (IMLS) 165, 172
Institutional Research Board 281
Institutional Review Board 3, 43, 91, 257, 271
Instructional Technologies (IT) 31
Integrated Product Team (IPT) 68-74, 76
interactive environments 281
interactive learning 36, 278, 285, 368
Internal Tuition Transfer Rate (ITTR) 208, 210
International Labor Organization (ILO) 17, 27
international partnership 15, 26
Invitational Summer Institute (ISI) 154-155, 160
IT management 79
IT skills 81

J

Journey with Sea Creatures (JwSC) 279-283

K

Katanga Province 246-247, 254, 257
knowledge domain 366
kupuna 65

L

Laboratory of Comparative Human Cognition (LCHC) 321

La Clase Mágica 319-325, 327-328
La Gran Dimensión 321
Learn and Serve America (LSA) 193, 345-347
Learning and Course Management Systems (LCMS) 288
learning curve 53, 98-99, 359
learning management system (LMS) 171, 174-175, 224, 230, 294
Legal Resource Centre of Alberta Ltd. (LRC) 365-372
liberal arts institution 124
Library and Information Science (LIS) 164-165, 168, 172, 174-180
library resources 165
lifeworlds 10-11
Linux Terminal Server Project (LTSP) 344

M

Master of Public Health (MPH) 204, 207, 210
master's degree program 224
Masters in Information Technology (MIT) 66, 79-80, 203, 264, 349, 357, 400-401
Mean/Standard Deviation Matrixes (MSM) 354-355
Mechanical and Aerospace Engineering (MAE) 68-69, 76, 327
mediational tools 303
medical model 259
Memorandum of Understanding (MOU) 167, 174, 176, 367
mentoring 22, 25, 36-37, 91, 113, 115, 127, 135, 175, 188, 212-217, 219-220, 224, 226, 230, 344, 346, 394
mentoring tools 226
mesh network 41, 44, 47-48
m-generation 238
Michigan State Department of Corrections (DOC) 21, 23, 64-65, 261-262, 264-267
Mi Clase Mágica 321
Microfinance 246, 257
Microsoft 40, 61, 157, 352, 384
millennials 238
Minnesota Department of Corrections 258, 263, 267
Moodle 154, 157-162, 168, 174-175
movie-making software 92, 98
Mt. Zion Human Services, Inc. (MZHS) 340-341, 343-347
multimedia projects 186
music librarianship 173-175, 179

Music Library Association (MLA) 145-146, 152,
173-174, 179, 349
MySpace 74, 235-236, 257

N

National Center for Education Statistics (NCES)
223, 231, 267, 312, 327
National Power Authority (NPA) 272
National Public Radio (NPR) 36
National Science Foundation (NSF) 231, 278, 281-
282
National University of Ireland (NUI), Galway 77,
79, 86
Network of Digital Production Centers 359-362
New Media Studio (NMS) 314-316
Nike 143
Nings 3, 14
No Child Left Behind Act (NCLB) 155
No Child Left Inside Act 34, 38
Noel Studio for Academic Creativity 387-389
non-governmental organizations (NGOs) 16, 18,
20, 198, 245-246, 269-275, 359-360, 362-363
nonprofit organization 15-16, 28, 33, 41, 47, 108-
109, 111, 113-116, 119, 123, 130, 132, 134
North Carolina Department of Education (NCDOE)
154
North Carolina Department of Public Instruction
(NCDPI) 154, 156, 158
North Carolina Graduation Project (NCGP) 154,
156-157, 160, 163
Nova Southeastern University (NSU) 221-223, 225,
229

O

Office for Standards in Education (Ofsted) 331, 337
One Laptop per Child (OLPC) 41-42, 44, 47, 50
one-to-one computing 40-41, 43-46, 48-50
online conferences 211
online learning environment 168, 200
online support program 213, 216-217
online technology 204-205
Open Educational Resources (OERs) 175, 288
open-source software 41, 43, 47, 344
Orlando Science Center (OSC) 279-280
ornithologists 29-30

P

Palm Frond Cement-Bonded Block (PFCBB) Pro-
duction 20-21

Pandora 238
participatory action research (PAR) 1, 3-14, 269-
270, 275-276, 324
participatory democracy 375
Participatory Evaluation (PE) 5, 9, 11, 13-14
Partnership for Safer Communities 262
Pathways Program 261-262, 266
Peace through Commerce Task Force 24, 26
Person-Centered Planning 113, 123
Photovoice project 270-271, 275
podcasting 143, 147
positive change 1
power dynamics 2, 9
PowerPoint 16, 155, 194-195, 197, 200, 307, 383-
384
Professional and Technical Writing (PTW) 236-237,
342-346, 348
Professional Assessment and Learning System
(PAL) 353-354
professional development (PD) 141-142, 144, 147,
150, 153-155, 157-163, 175, 179, 210, 212-
213, 215, 217, 219, 221-224, 226, 230, 330
project evaluator 278, 281-282, 284
project management 68, 106-107, 109-110, 113-
118, 120, 123, 186, 188, 280
Project Newgate 259, 261, 267
Project START (Supporting, Training, And Retain-
ing Teachers) 213-215, 218
public domain 228, 241
public health education 204, 211
public schools 50, 163, 188, 213, 217-218, 312, 343

Q

Qualified Teacher Status (QTS) 330, 336
Quality Matters™ Inter-Institutional Quality Assur-
ance for Online Education 264

R

Reddit 236
remediation 226, 387, 389-390, 400
Responding to Student Writing in Online Environ-
ments (RSWO) 154-161
Retirement Living Television (RLTV) 314-317, 394

S

sacred cow 86
school-based mentoring 213, 216-217
school-based technology 218
school performance 226, 325

Index

- schools districts 218
 - Schools Intergenerational Nurturing and Learning (SIGNAL) 32, 66, 329, 333-336
 - School University Teacher Education Partnership (SUTEP) 212-214, 216-218
 - Science, Technology, Engineering, and Mathematics (STEM) 10, 51-55, 221-222, 229
 - Scientific Collaborations 39
 - scope creep 82
 - service-based learning 15
 - service-learning assessments 2, 4-5, 8, 11
 - service-learning disciplines 85
 - service-learning in IT 77
 - service-learning model 51, 127, 129, 131, 135, 137
 - service-learning module 77, 81
 - service-learning partnerships 1-2, 52, 83, 88, 110
 - service-learning projects 5, 14, 22, 53, 55-56, 60, 67, 84, 91, 101, 106-107, 109, 116-120, 122-123, 129-131, 138, 183-184, 186, 197, 236-238, 241, 243, 346, 397
 - service-learning (SL) 1-5, 8-14, 20, 22, 27, 51-56, 58-60, 63, 66-67, 70, 77-81, 83-86, 88-91, 93-95, 97, 101, 103, 106-112, 114-139, 141-142, 182-190, 193, 197, 235-238, 241-243, 329, 331-338, 341-342, 346-347, 356, 367, 388, 391, 397, 401
 - shared learning 48
 - SHOWeD method 271
 - Sierra Leone 269-274, 276-277
 - Simple Message System (SMS) 81, 113, 251, 254-255, 257
 - Skype 19-20, 25, 31, 36, 68, 71, 73-75, 172, 197-198, 248-250, 307-308, 388
 - Slideboom 186
 - Slideshare 186
 - Sloan Consortium (Sloan-C) 167, 180, 189
 - SMS system 255
 - SocialCalc 43-44, 46-49
 - social capital 15-17, 24, 26-28, 78-79, 86, 219, 295, 330-332, 338
 - Social Capitalist 27-28
 - social enterprise businesses (SEBs) 25
 - Social Entrepreneur 18, 27
 - social entrepreneurship 15, 17, 26-27
 - social environment 192, 252, 375
 - social inequities 236
 - socially responsible businesses (SRBs) 25
 - social media 114-115, 118, 123, 129-132, 136-138, 169-170, 235-236, 238-241, 244, 372, 379, 399
 - social media networking technology 115, 118, 123
 - social network 248-251, 257, 398
 - social networking 47, 74, 81, 110, 114-115, 123, 126, 145, 147, 152, 184, 214, 235-236, 238, 240, 243, 245-247, 249-250, 253, 256, 308
 - social networking sites 74, 152, 184, 214, 235, 243
 - social problems 38, 183, 270, 365-366
 - social responsibility 18, 25, 36, 122, 332, 392
 - Society for Applied Learning Technology (SALT) 167, 180
 - socio-systems paradigms 290
 - sociotechnical activity system 300, 303-304
 - sociotechnical system 302-303, 308-309, 312
 - Software for Education, Entertainment, and Training Activities (SEETA) 43, 47, 49
 - South Carolina 69, 381-382, 384-386
 - Southern University in Baton Rouge (SUBR) 69-70, 73
 - stakeholder theory 237, 242
 - St. Cloud Correctional Facility 261
 - St. Cloud State University 258, 261
 - STEM disciplines 51, 222
 - Strengths, Weaknesses, Opportunities, and Threats (SWOT) 240
 - Student Component 353
 - student scientists 39
 - Students for the Advancement of Global Entrepreneurship (SAGE) 12-13, 15-28, 118, 242, 256, 311, 338, 358, 395
 - student-student communication 185
 - Synchronous Communication 73, 76
 - synchronous learning 203
- ## T
- teacher consultants (TCs) 154-155, 157, 159-162
 - Teachers in Action 182-184, 186-188
 - Teaching Skills Assessment Program (TSAP) 222, 224
 - team communication 68
 - technical agency 313
 - Technical Mentors 76
 - technical writing 53, 58-64, 66, 236-237, 242, 256, 342, 345-347
 - techno-economic 290
 - Technology and Culture Kumeyaay Literacy Education (TACKLE) 321
 - technology based communication tools 68, 74
 - Technology-Enhanced Community (TEC) Partnership Model 191-194, 197-201, 203
 - technology-enhanced learning 191, 195, 201, 203
 - TEC Partnership Model 191, 193, 198, 201
 - Tennessee Department of Health (DOH) 204-205, 207-210

tobacco farming 382-384
 transformative participatory evaluation (TPE) 14
 Transnational Social Movement Organization (TSMO) 16, 26, 28
 Twitter 130-131, 142, 145, 151, 169-170, 172, 180, 236, 240, 249-251, 307, 370

U

UMBC New Media Studio (NMS) 314-316
 United Cerebral Palsy of Central Florida (UCP) 182-184, 186
 United Nations International Children's Emergency Fund (UNICEF) 269, 272, 277
 United States 17, 23, 34, 38, 86, 91, 93, 104, 121, 139, 153, 167-168, 179-180, 189, 235, 245, 259, 290, 327, 331, 336, 390-391
 United States Distance Learning Association (USDLA) 167, 180
 University-Community Links (UC Links) 300-313, 321, 323, 325-327
 University of Alabama in Huntsville (UAH) 68-74, 76
 University of Alberta 365-366, 373-378
 University of California (UC) 22, 255-256, 300, 312, 319-320, 326-328
 University of Central Florida (UCF) 51-55, 182, 184, 186-188, 221, 279
 University of Cincinnati 29, 36, 350-353, 356-357
 University of Illinois at Urbana-Champaign (UIUC) 138, 164-165, 168, 173-176
 University of Maryland, Baltimore County (UMBC) 104, 314-317, 394
 University of Minnesota (UMN) 192, 245-248, 250-252, 254-255, 257
 University of Richmond (UR) 124-128
 University of South Florida St. Petersburg's (USFSP) 341-344
 University of Tennessee at Knoxville (UTK) 204-205, 208
 University of Tennessee Health Science Center in Memphis (UTHSC) 204-205, 208
 U.S. Census Bureau 41, 50, 182, 190
 user-centered design 41, 44, 46, 50, 280-281

V

Veracruz, Mexico 359-363
 video-based discussions 200
 videocasts 184
 videoconferencing 25, 31, 197, 211, 308, 381, 383

Violent Crime Control and Law Enforcement Act 260
 virtual class 147
 virtual collaboration 58-59, 64-65
 virtual environments 147, 156, 279, 283, 395
 Virtual Ocean Project 306
 virtual project 64
 VoiceThread 3, 14

W

Wall Street bailouts 153
 Water's Journey through the Everglades (WJE) 278-279, 281-283
 Web 1.0 6-7, 12, 59
 Web 2.0 1-3, 6-9, 12-13, 59-66, 124, 130, 132, 139, 143-144, 148, 152, 159, 168-169, 235-236, 243
 Web 1.0 technologies 6
 Web 2.0 technologies 1-2, 6, 59, 63-65, 168, 235-236
 Web 2.0 tools 1, 3, 7, 143
 Web-based Information Science Education (WISE) 164-174, 176-181
 web-based platform 53
 Web-based server 185
 webinars 142, 144, 370
 Western Carolina University's (WCU) 151, 212-215, 218
 Western Regional Education Service Alliance (WRESA) 215
 we voice 2, 14
 wikis 6, 31, 35, 143, 147, 370, 399
 Wildcat Writers 1-4, 10-11, 14
 Wisconsin model 366
 Wizard Assistants 321

X

XO laptop pilot program 40, 42-43, 47, 49
 XO laptops 40-42, 45, 48-49

Y

youth participatory action research (YPAR) 12, 14
 youth participatory evaluation (YPE) 13-14
 YouTube 130, 142-143, 152, 168, 175, 186, 235-236, 238, 240, 386
 Yunnan Women's Reproductive Health and Development Program 270
 zone of proximal development 303