SUBJECT INDEX

Administrator(s), 37, 49, 70–71, 91, 100–101, 117, 158, 171, 310–312
Analysis, 7–8, 13, 27, 52, 61, 63–64, 71–72, 88, 93, 99, 151, 153, 155, 168, 172, 179, 182, 190–192, 201, 204, 206, 209, 211–212, 216–218, 222–223, 225, 230, 242, 258, 270, 291–293, 295, 326, 342, 345, 347, 349
  of content, 13, 204, 206, 209, 211–223, 225, 293
  conversational, 199, 216
Analytics, 14, 95, 234, 252
App(s), 211, 283, 314, 322–323, 328
Argumentation, 13, 69, 165, 205, 216–217
Assessment, 4, 5, 7, 10, 18–19, 26, 27–28, 30, 40, 42, 50–51, 54–55, 60–63, 65–66, 68, 73, 85, 88, 91, 118, 125–127, 190–191, 215, 234, 244–245, 252–254, 258, 264–265, 268–270, 276–278, 283, 285–286, 289, 292, 308, 310, 319, 321–322
  formative, 4, 5, 7, 28, 244–245, 252–254, 258, 269–270, 276, 278, 283, 286, 343
  online, 50, 61
Attendance, 27, 36, 156, 235, 310, 314, 316–317, 319, 332
Attitude, 41, 90, 93, 111, 122, 124, 264–265, 292–293
Audience response system(s), 19

Backchanneling, 310, 313, 319–321, 329, 334, 344
Best practice(s), 67, 70–71, 73, 113, 307, 309, 333
Blogging, microblogging, 11, 109–111, 120–128, 131–132, 134
Bloom's Taxonomy, 6, 9, 54, 314
Boards, bulletin, 149, 200
'Bring Your Own Device' (BYOD), 326–327, 334

Case study(ies), 10, 18, 24, 47–51, 58, 70–74, 131, 341
Change management, 10, 18–19, 22, 29, 31–32, 38–39, 41, 338, 344
Class, rewatching missed class, 145
Class replay, 3, 12, 143, 145–149, 151–158
Classroom, 3–12, 14–18, 20–22, 25–27, 29, 32, 37–38, 47, 52, 56–59, 63–65, 67, 73, 81–83, 86–100, 109, 123–125, 130, 134, 143, 146–150, 158, 163, 199, 201–202, 210, 229–230, 233–235, 243–248, 263–265, 267, 269–273, 275–277, 279–283, 285–289, 291, 293–295, 297–302, 307–308, 310–327, 329, 331–332, 334, 344, 348
Classroom, experimental, 146

Classroom response system(s), 3–4, 9, 14, 63–65, 234–235, 238–239, 241, 243–244, 310–311, 314, 317–319, 324, 332
Clicker(s), 4, 19, 27, 55, 63–64, 68, 235, 243–244, 247, 258, 310, 313–318, 325, 330–331, 333
Cognitive science, 14, 236, 238, 287
Collaboration, 10, 12, 47–50, 63, 69, 71–73, 94, 112, 122, 144, 146, 148, 151–156, 164–167, 169–171, 173, 175–179, 182, 185, 187, 189–191, 194–195, 200, 228, 264, 270–271, 274, 286, 288, 298, 339, 345
  international, 179–183, 187, 194
  of participants, 13, 169
  university(ies), 13, 193
  virtual, 171, 178, 185, 190–191, 194
Communication, 11, 13, 50, 56, 85, 111–112, 114, 120–123, 126–127, 131, 133, 143, 147, 149, 154, 163, 166–167, 171–172, 174–175, 178–179, 182, 184–186, 188, 191–194, 199–203, 206–207, 209–210, 226–228, 230, 248, 310, 319, 321, 328, 330, 337, 342, 346–347
  computer-mediated, 112, 200, 202, 228
  mediated, 56, 112, 199, 200, 202–203, 228
  technologically mediated, 56, 202–204
  virtual, 172, 174–175, 178, 182, 194
Competition, 144, 318
Conceptual test, 242
Constructivism, 8, 13, 91, 152, 169, 183
Content, 5–6, 8, 11, 13, 15, 52, 57–58, 60–61, 63–64, 68–69, 71, 81–91, 93–95, 98, 112, 118, 120, 131, 143–145, 148, 151, 157, 171, 183, 185, 199, 203–204, 206, 209, 211–212, 217, 223, 225–227, 243, 264, 267–271, 273, 276–278, 281–282, 286, 293, 307, 309–310, 315–317, 319, 321, 323–326, 331, 333, 345, 347
Contribution, active, 132, 152
'Conversational Implicature', 206, 208, 209, 218, 222
Coordination, 154, 167, 173, 191, 342
Course(s)
  design, 95, 215, 331–333
  redesign, 277
  survey, 60, 309, 317
Culture, 10–11, 19, 24, 31–33, 39–41, 49, 58, 70, 72–74, 82–84, 96–97, 99–100, 114, 134, 150, 183, 185, 193, 325, 341

Demography, 87, 98, 117, 157, 210–211, 292, 296
Difference(s), cultural, 166, 178, 182, 184, 190, 194
Digital Ink, 14, 263, 271, 277, 281, 283, 285–286, 289
Discourse, mediated, 3, 5, 6, 8, 9, 13, 15, 199–230
Discussion forum(s), 51, 59, 69

Education, 3, 5, 7, 9, 11–18, 20–21, 31, 39, 42, 47, 56, 61, 63, 67, 73, 81–82, 84–85, 87–88, 91–92, 99–100, 109–116, 118–119, 122, 125–126, 131, 134, 143–144, 148–150, 153, 163, 165–166,

199, 233–236, 245, 258, 263–264, 270, 272, 275, 297, 307, 310–312, 333, 337–346, 348–350
Educator, 11, 83–84, 86, 88–89, 91–92, 94–95
E-learning, 10, 47–52, 55, 58, 63, 67–74, 112, 115, 145–147, 168, 337–339, 341–342, 344, 350
Electronic voting system(s) (EVS), 9, 17–42, 50, 55, 63–68, 73
Embedding, 19, 33–34, 38, 41, 112, 273, 279, 283
Engagement, 3–4, 9–15, 17–19, 21, 25, 32, 39, 41–42, 47–49, 51–52, 55–57, 61–64, 67–71, 73, 81–86, 91–93, 96, 99, 109–113, 115–119, 121–129, 131–135, 143, 149, 152, 163–165, 184, 192–193, 199, 233–237, 239, 241–243, 245, 247, 249, 251, 253–255, 257–258, 263–265, 272, 276, 278, 286, 292, 296, 300, 302, 307, 310–311, 314, 317–318, 321, 329–330, 332–333, 341, 343, 349
  learners, 128
  online, 11, 111, 118–122, 128, 134
  students, 14, 66, 152, 179, 236–237, 251, 310
  technology, 3, 7, 9, 41, 51, 56, 61, 63, 67, 70–71, 82, 85, 92–93
English as a foreign or second language, 350
Enhancement, 152, 294
ESL. *See* English as a foreign or second language
EVS. *See* Electronic voting system(s)
Experience, 10–12, 14, 17, 19, 23–26, 29–30, 34, 39, 41–42, 47, 49, 65, 70, 81, 83–84, 87–89, 93, 100–101, 111, 116–118, 125–127, 129–130, 132, 144–145, 149, 151–152, 154, 156–159, 164, 167–169, 171–172, 176–179, 182, 185–187, 189–194, 201, 209, 220, 224–226, 230, 233, 251, 258, 275, 286–288, 293, 307–311, 315, 318, 324, 331, 338, 342, 345, 347–348

Face-to-face, 13, 93, 95, 124, 126, 154, 172, 178, 199–200, 310, 318
Faculty, 10–12, 15, 47–52, 55–61, 64, 67–74, 84–85, 87, 95, 97, 101, 109–111, 113–115, 117, 119, 121–125, 127–129, 131–135, 144–146, 158, 234, 236, 238–239, 258, 272, 275, 287, 302, 308–315, 317–323, 325, 327–330, 332–334, 338, 340–341, 344–345, 347, 349
  development, 10, 48–49, 67, 69, 73
  motivation, 59, 70
  networked, 109–135
Feedback, 4, 14, 19–21, 26, 30, 41–42, 59–60, 62–63, 116, 124–125, 127, 132, 144–145, 171, 181–182, 194, 234–238, 241–242, 246, 248, 258, 272, 275, 277–279, 284–286, 289, 293, 302, 317, 322, 333
Flexibility, 84, 92, 94, 165, 318

'Flipped Classroom', 271, 277, 279, 326
Framework(s), 5, 8–11, 19, 21, 24, 28–31, 35, 38, 41, 50–51, 68, 83, 85–86, 88, 98, 111, 113, 115, 169, 182, 236, 239–240, 267, 269

Gricean Maxim(s), 206, 218, 221–222

Higher education, 3, 5, 7, 9, 11, 13–15, 17–18, 39, 42, 47, 73, 81–82, 84–85, 87, 91–92, 99–100, 109–116, 118, 122, 126, 131, 134, 143–144, 148, 163, 166, 199, 233–234, 236, 245, 258, 263, 272, 307, 310–312, 333, 337–339, 341–342, 349
Higher education institution(s), 17, 112, 116, 143

ICTs (Information and Communication Technologies)
  affordance(s), 111, 113, 125, 128, 165, 167
Infrastructure, 10, 18, 23, 31–33, 35, 37–39, 41, 66, 92, 145
  of technology(ies), 10, 18, 31, 35, 92, 145
Instant messenger, 13, 199–200
Institutional culture, 10, 48–49, 70
Institutional framework, 29, 38
Institutional support, 67, 69, 72, 133, 150
Instructional designer, 84–85, 91, 100–101, 308, 311, 340, 346
Interaction, 9, 13, 19, 21–22, 27–28, 32, 63, 95, 112, 116, 119–121, 124, 127, 131–132, 148, 151, 154–155, 163, 169, 176, 186–187, 200, 204, 210, 230, 296, 310, 313, 318–321, 323, 329
Interview, focus-group, 210
iOS device(s), 15, 307–334

Joint Information Systems Committee, UK (JISC), 26, 50

Knowledge, 4–8, 11, 13, 15–16, 21, 59–60, 68, 71–72, 81, 83–89, 91, 93, 96, 98, 110–116, 119, 121–122, 125, 128–129, 131–132, 134–135, 144, 148, 151, 158, 166, 168–169, 177–178, 183, 185–188, 190–191, 193, 199–204, 206, 210, 212, 215, 224, 226–228, 230, 236–241, 264, 267–270, 272, 285, 312, 316, 318–319, 331, 333, 343, 346
  co-creating of, 115

Learning, 3–19, 21–25, 27, 29–37, 39, 41–42, 47–52, 54–58, 60–64, 66–74, 81–85, 89–95, 98–99, 109–117, 119–123, 125–128, 131–135, 143–159, 164–165, 167–172, 175–180, 182–195, 199–201, 203–204, 207, 210, 213, 215, 222, 225–226, 228, 230, 233–242, 244–253, 258, 263–277, 279, 281, 283, 285–289, 291–295, 297–302, 307–315, 317, 319–327, 329–334, 337–350
  active, 14, 132, 151, 241, 248, 264, 281, 299–301, 311, 314, 320, 331
  blended, 48–50, 151

collaborative, 112, 132, 171, 228, 275
with computers, 153
design, 69
experiential, 126, 164–165, 167–169, 177, 274
online, 68, 115, 122, 149
paradigm shift, 151
peer-to-peer, 70, 320
student experience of, 39, 116, 177, 188, 309
style, 11, 83, 93, 98, 150, 151
technology-mediated, 151, 156
'Learning and teaching', 17–42, 82, 190–191
Learning Catalytics, 14, 233–236, 238, 240–242, 244–247, 249–253, 258, 343–344
Learning management system(s) (LMS), 49, 92, 133, 321–323
Learning paradigm, Constructivist, 164, 165, 169
Learning process(es), technology integration in, 148–151, 153
Lecture recording system(s), 12
Lecture(s), live, 281
Literacy(ies), digital, 11, 133
Literature review, 86, 116, 144
Lurking, 58

Media, interactive, 10, 47, 49
Metacognition, 237–238, 253–255, 341
Microblogging, 11, 109–111, 120–128, 131–132, 134–135
Model, 10–13, 22, 29–30, 35, 39, 41, 59, 72, 81–85, 87, 89, 91, 93, 95–101, 114–115, 117, 123–124, 156–157, 164, 168–169, 204–206, 210, 212, 223–224, 236, 251, 272, 275, 277, 292, 327, 334, 340
Moodle, 10, 48–50, 52, 55, 71
Motivation, of student(s), 4, 5, 6, 28
Multinational, 339

Negotiation, 12–13, 163, 176, 179, 184–185, 188

Online, 10–12, 24, 34–35, 37, 39, 42, 48, 50–52, 55–65, 67–68, 72–73, 82, 89, 93, 95, 111–112, 115, 118–119, 122–123, 127–128, 134, 143, 149, 152–154, 158, 163–165, 170–172, 175, 180–182, 186, 193–194, 210, 226, 277, 281, 294, 311, 332, 339, 350
Outcome, 5, 21, 23, 99, 132, 219, 280

Participation, 4–5, 7, 9, 11, 13, 15, 52, 55–56, 58–59, 63–64, 66, 68, 73, 86, 101, 109–110, 112, 115–116, 125–127, 132–135, 187–188, 203, 209–210, 229–230, 235, 253–254, 275, 277, 292–293, 299, 314, 316–317, 319, 341
Pedagogy, 8, 21, 27, 32–33, 35, 40, 49–50, 67–68, 70–71, 81–87, 89, 94, 98, 151, 167, 234, 242, 312, 339, 346
Peer Instruction (methodology), 4, 21, 242–246, 251, 253–254, 256
Performance, 23–24, 52, 54–55, 58, 61, 63–65, 84, 93–94, 116, 167, 172, 181–182, 191, 203, 211, 226, 229, 242, 244, 248, 253, 255, 265, 279, 292, 294, 315, 319, 341, 349

Phoebe, 10, 47–57, 59–65, 67–71, 73–74
Physics, 5, 14, 22, 236, 245, 253
Planner, pedagogic, 10, 47–74
Planning, collaborative, 10
Podcasting, 94, 128, 310, 326, 331, 333, 344
Polling, 55, 63, 68, 72, 278–280, 283–284, 315
Predictor, 122
Presence, social, 7, 122–123, 131, 133
Psychology, 10, 22, 31, 47–49, 52, 54–57, 59–66, 68, 73, 341, 345–346, 349–350

RealGame, 163, 172, 176
Reflection, 51–52, 67, 71, 125, 129–130, 168, 170, 178, 191
Research, 4, 10, 12–15, 17–18, 20, 22, 25, 27–29, 33–34, 41, 48–51, 55, 57–74, 83–84, 87–88, 95–96, 99–101, 110, 112–115, 119, 121–124, 128, 131–135, 143–145, 150, 152–153, 155–158, 164, 166, 171, 192–194, 200–204, 209, 211, 214, 217–218, 223, 226, 230, 233, 236–238, 240, 242–243, 256, 258, 265, 270–272, 274, 287, 291–293, 295, 308–309, 311–312, 317, 319, 323, 333, 337–349
'Residents' approach, 132
Resource(s), 10–12, 50–51, 59, 62, 64, 66–68, 70–71, 74, 91–92, 95–100, 114, 116–117, 122, 128, 134, 145–147, 151, 155, 158, 169–170, 234, 265, 279, 281, 308, 310–311, 323, 325, 328, 330, 332–334
Rigor, 5, 307, 309, 332, 334

Satisfaction, 11, 18, 55, 83–84, 87, 92–94, 99, 210
Scaffolding, 40, 57–59, 73
Scheduling, 128, 267, 274
Scholarship, 110–111, 114–115, 119, 134, 144, 337, 339, 342
  digital, 115
Self-monitoring, 237–239
Self-regulation, 237–239, 241
Shift work, 173
Simulation(s), 13, 50, 55, 59, 60–63, 67–68, 72–73, 126, 149, 164–165, 168–183, 185, 187–188, 191–195
Simulation, business, 13, 164–165, 171–179, 183, 192, 194–195
Social media, 10–11, 42, 48–49, 51, 92, 109–114, 116, 119–120, 125–126, 128, 131–135, 164, 319, 324–326, 339, 344, 350
Social web, 11, 110–112, 118–119, 132, 134
Sociogram(s), of network(s), 211, 219, 222–223
Student, 3–6, 9–15, 17–21, 24–25, 27–30, 32–33, 35–39, 41–42, 47–49, 51–52, 54–61, 63–64, 67–71, 73, 81–87, 89–99, 109–113, 115–119, 121–127, 129–135, 143, 154, 163, 165–166, 169–170, 175, 177–190, 192–193, 199, 201, 233–236, 240–251, 253–258, 263–266, 269–271, 273–289, 292–294, 296–302, 307–311,

313–314, 316–318, 320, 322–324, 327–334, 339–343, 345
Student response system(s), 4, 19, 289
Student(s), networked, 112, 129–131
Support, 4, 7–11, 13, 15, 17–19, 21, 23–26, 28–35, 37–42, 49–50, 54, 60, 66–67, 69–73, 88, 96–97, 100, 109, 118, 123–126, 133, 135, 144–146, 148–150, 153, 166–167, 169, 171, 176, 178, 182, 192, 195, 222, 230, 240, 280, 294–295, 308–309, 312, 314, 327–329, 340, 342, 350
  academic, 18, 25, 31, 33, 35, 37
  for students, 4, 8, 10, 18, 32, 34, 42, 165, 182, 195, 350
  institutional support for integrating technology in learning process, 150
  user, 32, 33–35
Survey(s) , 26–27, 29, 56, 58, 60, 64, 68, 88, 128, 203–204, 209–210, 214, 230, 243, 288, 293–294, 296–297, 299, 307, 309, 311, 315, 317, 319–320, 322–324, 327, 330, 332, 334

Tablet(s) (computer), 209
Tagging, social, 12, 151–153, 155–156, 158
Teacher's ability to shape technology to meet participants' needs, 150
Teacher's level of confidence with technology, 150
Teacher's self-disclosure, 121
Teacher–student relation, 111–112, 117, 125–126, 128, 131
Teaching, 3–5, 9, 13, 17, 19, 21, 23–25, 27, 29, 31, 33–39, 41–42, 48–49, 51, 55–56, 67–70, 72–73, 81–82, 84–85, 87–89, 91, 93–95, 109–110, 112–115, 119, 121–124, 128, 132–134, 145–148, 155, 158, 164, 167, 169, 171, 181–182, 190, 192–195, 199, 201–202, 210, 226, 234, 238, 240, 242–245, 257, 264–265, 267–268, 272, 275, 286, 288–289, 294, 301, 310, 312, 321–322, 328, 330, 337–347, 349–350
  efficacy, 88–89
  interactive, 21, 242–245, 264
  just-in-time, 311, 323
Teaching innovation through technology, 145
Team(s)
  geographically distributed, 164, 166
  global, 13, 164–170
Teamwork, global, 13, 164–170
Technological pedagogical content knowledge (TPACK), 11, 60, 69–72, 81–101, 267–268
Technology Rich Interactive Learning Environment, 264, 295, 340
Technology(ies)
  adoption of, 19, 22, 29–30, 33
  educational, 39, 99–100, 120, 264, 308
  features of, 264, 270–271
  inclusive, 202, 230
  integration in learning process(es), 148–149
  of learning, 159
Texting, 13, 20, 37, 49, 66, 125, 199–204, 206, 208–210, 212, 215–217, 219, 221–226, 228–230, 325

Text-to-poll, 48–49, 52, 63–66, 68, 73
Time zone(s), differences of, 13, 175, 180, 185, 192, 194
TPACK. *See* Technological pedagogical content knowledge (TPACK)
Training, 10, 12, 18, 24–25, 31, 33–35, 38, 41, 69, 71–72, 84, 88–90, 100, 147, 153, 163–165, 167, 170–171, 178–180, 193–195, 265, 292, 308, 312, 334, 341, 345–346, 349
  online, 164, 193
Twitter, uses in academia, 123–126
'Tyranny of participation', 110

User expectancy, 154
User training, 33

Value, 7, 15, 24, 41, 62, 73–74, 92, 96, 115, 120–121, 126, 153–156, 158, 201, 254, 288, 300, 311, 323, 325, 327–331, 334
Video files, tagging of, 12, 145, 152
Video recording system(s), decoupling of, 145–148
Virtual team(s) in International Business (VIBu), 12–13, 163, 165, 171–172, 174–179, 180, 183–191
'Visitor' approach, 118
Visualization, immersive, 14, 265