Subject Index

Page references followed by fig indicate an illustrated figure; followed by t indicate a table.

A
Active learning: challenges of, 11e; definitions of, 6; historical development of, 5–6; purposes of, 6; research done primarily in the sciences on, 10–11; techniques for promoting, 27. See also Interactive lecturing; Learning; Student learning
Active learning continuum, 22t
Active learning methods: active learning pedagogy examples, 13t; active learning techniques examples, 13t; interactive lecturing model combining engaging presentations and, 16fig
Active learning phases: assess, 27fig, 28t, 194fig, 195, 320–362; attend, 27fig, 28t, 194fig, 195, 237–287; prepare, 27fig, 28t, 194fig, 198–236; use, 27fig, 28t, 194fig, 195, 288–319. See also specific technique
Active learning themes: application, 25, 27t; attention, 24–25, 27t; closure, 26–27t; preparation, 23–24, 27t. See also Active learning phases
Active Reading Documents (ARDs) Technique, 199e, 200–203
Active voice, 90
Actively preparing techniques: Active Reading Documents (ARDs), 199e, 200–203; Individual Readiness Assurance Tests (iRATs), 199e, 212–215; Know‐Wonder‐Learned (K‐W‐I), 199e, 204–208; motivating student learning by using the, 198–215; Two‐Minute Question‐Development Talks (TQDTs), 199e, 209–211
Advance Organizers Technique, 237e, 238–244
African Art and the Diaspora lecture, 294
An alternative universe scenario (The Hook), 144, 145
Annotated Reference Page Tip, 108e, 121–122
Anticipating and predicting new information techniques: for active learning prepare phase, 191fig, 216e–236; Guess and Confirm, 216e, 227–231; Preview Guide, 216e, 232–236; Sentence Stem Predictions, 216e, 221–226; Update Your Classmate, 216e, 217–220
use phase and corresponding, 27fig, 28t, 195, 288–319. See also specific technique
Application strategies: contrasting transmission and interactive lectures, 27t; discussion, 25; small-group work, 25. See also Use phase (active learning)

Applying information techniques: for active learning use phase, 194fig, 195, 302e–319; Intrigue Journal, 302e, 313–316; Real-World Applications, 302e, 317–319; Support a Statement, 302e, 309–311; Thick and Thin Questions, 302e, 304–308

Aristotelian Triptych Tip, 79t–80

Around the Room Icebreaker, 141

Asking and answering questions: general suggestions for, 174; Tips to facilitate communication, 21t, 31fig, 32, 174–183

Asking and Answering Questions Tips: Echo Chamber, 175e, 178–179; Right Means Right, 175e, 182–183; Wait Time, 175e, 180–181; Write a Question, 175e, 176–177. See also Questions

Assertion and Evidence Organizer, 239fig

Assess phase (active learning): checking understanding techniques, 194fig, 195, 320e–340; correlating to active learning techniques, 28t; during interactive lecture, 27fig; reflecting and metacognition techniques, 194fig, 195, 341e–362. See also Closure

Assignment review (The Graceful Goodbye), 191

Attend phase (active learning): correlating to active learning techniques, 28t; during interactive lecture, 27fig; listening for information techniques, 194fig, 195, 237e–257; taking notes techniques, 194fig, 195, 258–287fig

Attention strategies: asking students questions, 24–25; contrasting transmission and interactive lectures on, 27t; guided note-taking, 24

Attribute Change brainstorming technique, 55–56

Audiovisual slides: background color, Twitter hashtags, and slide transition, 101–102fig; blank or blacked-out slides, 103–105fig; methods for designing slides, 93e, 97–99fig; software package templates for, 94–95fig; suggestions for replacements of slides, 106–107

B

Back to the beginning (The Power Close), 189

Background color of slides, 101

Banking model of learning, 7

Basic survival lecture kit, 128

Behavioral Genetics lecture, 314

Big Why, Little Why Tip, 34e, 35–36

Biology large lecture, 242

Blank or blacked-out slides, 103–105fig

Blended (or hybrid) course video lecture, 197

The board (chalkboard or whiteboard), 107

Bonus discussion questions activity, 161

Book and Check Tip, 124e, 125–126

Bookends, Interleaves, and Overlays Tip, 65e, 71–72

Brace Map, 240fig

Brainstorming on the board activity, 160

Brainstorming Tip, 51e, 55–57

Bumper stickers activity, 161

Business Computer Systems lecture, 210

Business Law lecture, 359–360

Buzz groups activity, 161

C

Calculus lecture, 201–202

A call to action (The Power Close), 189

Cause and effect logical pattern, 60

Chalk-and-talk lecture medium, 69t

Chalkboard, 107

Checking understanding techniques: for active learning assess phase, 194fig, 195, 320e–340; One-Sentence Summary, 320e, 327–330; Pre-Post Freewrite, 320e, 322–325; RSQC2, 320e, 336–340; 3–2–1, 320e, 331–334

Chemistry large lecture, 229–230

Chemistry lecture, 213

Chemistry video lecture, 333–334

Chronological order logical pattern, 59fig, 61fig

City of New London, Kelo v., 223

Class announcement: example of a, 136; Lecture Preview through, 135

Class Electronics Policy (Physics 101–Section 102), 154–155

Classroom opinion polls activity, 162

Classroom Technology Policy Tip, 149e, 153–155

Climate (classroom): about the correlating engaging lecture Tips, 20t–21t, 30, 31fig–32; research on engaging presentation element of, 19, 20t–21t. See also Lecture sessions

Climate techniques: demonstrating readiness, 21t, 31fig, 124e–132; generating enthusiasm and interest, 21t, 31fig, 133e–148; managing the session, 21t, 31fig, 32, 149e–162
Closure: Cloze Activity (The Synthesis), 186; contrasting transmission and interactive lectures on, 27t; interactive lecture assess phase, 27tfig; quizzes strategy used for, 2; reflecting and metacognition for, 26, 194fig, 195, 341e–362. See also Assess phase (active learning)

Cloze Activity (The Synthesis), 186
Coded Notes Technique, 259e, 269–273
College Algebra video lecture, 210–211, 339–340
College and University Teaching lecture, 281fig, 282fig, 283fig
College Teaching lecture, 254, 255fig
College Teaching Techniques series, 21
Communication: introduction to techniques to facilitate, 20t–21t, 31fig, 32; research on engaging presentation element of, 19, 20t–21t; voice modulation used during, 163e, 172–173
Communication checks: for appropriate pacing, 157; for concluding an activity, 156; for student understanding, 157; for students who have questions or comments, 157
Communication techniques: asking and answering questions, 21t, 31fig, 32, 174–183; presenting like a professional, 31fig, 32, 163e–173; signaling the takeaways, 21t, 31fig, 32, 184e–192fig
Communication Technology, Culture, and Society video lecture, 255–256
Comparison and contrast logical pattern, 58–59
Computer Science for Nonmajors large lecture, 276
Concept mapping activity, 161
Conceptual understanding of novices, 43–44
The Connector Tip, 184e, 187–188fig
Constitutional Law lecture, 223–224
Consumer Behavior lecture, 250–251
Content-Rich Handout Tip, 108e, 114–116fig
Context Keeper Tip, 93e, 101–102fig
Contrarian statement (The Hook), 144, 145
Cooperative and collaborative learning, 13t
Course site or blog: example of using a, 136–138; Lecture Preview through, 136
Crafting handouts and supplements: extending your presentation by, 108; Tips to create supports of, 20t–21t, 30, 31fig, 108e–122
Crafting Handouts and Supplements Tips: Annotated Reference Page, 108e, 121–122;

Content-Rich Handout, 108e, 114–116fig; Infodeck, 108e, 118–119fig; Lecture Map, 108e, 109–112fig
Creating content: challenges associated with, 51; Tips to create focus by, 21t, 30, 31fig, 51e–64
Creating Content Tips: Brainstorming, 51e, 55–57; Logical Pattern, 51e, 58–61; Rule of Three, 51e, 62–64; Sticky Note Diagrams, 51e, 52–53
Critics assignment, 249, 250
Cubing brainstorming technique, 56
Cued Notes Technique, 259e, 260–263
Cycle of Events, 240fig

D
Dead wood words, 90
Demographic and psychological factors, 42–43
Demonstrating readiness: for effective lecturing, 124; Tips to create supports by, 21t, 31fig, 124e–132
Demonstrating Readiness Tips: Book and Check, 124e, 131–132; Dress for Success, 124e, 129–130; Lecture Supply Kit, 124e, 127–128; Out Loud, 124e, 125–126
Designing effective audiovisuals: learning benefits of effective, 92; Tips to create supports by, 20t–21t, 30, 31fig, 93e–107
Designing effective audiovisuals Tips: Context Keeper, 93e, 101–102fig; Invisible Slide, 93e, 103–105fig; Less Is More, 93e, 97–100fig; Slide Replacement, 93e, 106–107; Template Temperance, 93e, 94–95
Details of content and activities section, 74
Developmental English: Reading lecture, 265–266
Discussion: application strategy of, 25; key learning task of having a, 22t
Double Planning Tip, 65e, 76–77
Drawing for understanding activity, 161
Dress for Success Tip, 124e, 129–130
Duration lecture aspects, 68, 69t

E
E-mail blast: example of a, 136; Lecture Preview through, 136
Echo Chamber Tip, 175e, 178–179
Education video lecture, 311
Educational Psychology: A Cognitive View (Ausubel), 44
Ender’s Game lecture, 332
Energizers persona archetype, 48fig, 49
Energy Uses and the Environment large lecture, 310
Subject Index

Engaging presentations: characteristics and elements of, 17; interactive lecturing model combining active learning methods and, 16fig; research on elements of, 17–19, 20t–21t

Engaging presentations elements: climate, 19, 20t–21t, 30, 31fig–32; communications, 19, 20t, 21t, 30, 31fig, 32; focus, 17–18, 20t, 21t, 30, 31fig; format, 18, 20t, 21t, 30, 31fig; supports, 18–19, 20t, 21t, 30–31fig; synthesis of research on the, 19. See also specific element

Engaging Presentations Tips: engaging elements correlated to the, 21t; organization of the, 30–32; what to know about the, 19–21t. See also specific tip

English Composition video lecture, 295

The entry ticket (Meet and Greet), 138

Every Minute Matters Tip, 149e, 158–159

Example givers assignment, 249, 250

Exit ticket (The Graceful Goodbye), 191

Exit tickets activity, 162

Extensions Tip, 149e, 160–162

Eye contact, 170

F

Facial expressions, 170

Fascinators persona archetype, 48fig, 49

Feedback (The Power Close), 189–190

Filler words, 90

Film Studies large lecture, 349–350

Final thoughts (The Graceful Goodbye), 191

Finite Mathematics video lecture, 360–362

Five words activity, 160

Flash-talk mini-lecture activity, 161

Flip charts, 107

Flipped classrooms, 13t

Flipped course video lecture, 197

Focus: about the correlating engaging lecture Tips, 20t–21t, 30, 31fig; research on engaging presentation element of, 17–18

Focus Tips: correlating focus to engaging lecture, 20t–21t, 30, 31fig; for creating content, 30, 31fig, 51e–64; for setting goals, 30, 31fig, 33–50

Formal lecture, 68, 69t

Formality lecture aspects, 68, 69t

Format: about the correlating engaging lecture Tips, 19–21t, 30, 31fig–32; research on engaging presentation element of, 18

Format lecture aspects, 68–69t

Format Tips: correlating format to engaging lecture, 19–21t, 30, 31fig–32; for leveraging the language, 21t, 30, 31fig, 79t–91; for structuring the session, 30, 31fig, 65e–77

Freshman Composition lecture, 241fig–242

Full-body movements, 169

Full-session lecture duration, 68, 69t

Fundamentals of Oral Communication large lecture, 329

G

Gandhi story, 145

General Physics Note-Taking Pairs (on-site), 275

General Physics video lecture, 300

Generating enthusiasm and interest: facilitating student motivation by, 133–134; Tips to create climate, 21t, 31fig, 133e–148

Generating Enthusiasm and Interest Tips: The Hook, 133e, 144–145; Icebreakers, 133e, 140–141; Keep the Lights On, 133e, 142–143; Lecture Preview, 133e, 135–137; Meet and Greet, 133e, 138–139; Value Display, 133e, 147–148

Geography and Globalization lecture, 318

Geography lecture: Support a Statement Technique used for, 310; Translate That! Technique used for, 290–291

Geology lecture, 247

German for Business lecture, 338–339

“Gettysburg Address” (Lincoln), 92

Global Communications large lecture, 234–235

Goals lecture section, 73

Goals. See Setting goals

Godin method for slides, 99fig

The Graceful Goodbye Tip, 184e, 191–192fig

Graphic organizers: Advance Organizers Technique on, 237e, 238–244; Guided Notes Technique variation using, 262fig; The Synthesis Tip on, 185

Grief, Death and Loss: Social World video lecture, 315

Guess and Confirm Technique, 216e, 227–231

Guided note-taking, 24

Guided Notes Technique, 259e, 260–263

Guiding questions, 137

H

Hand gestures, 170

The handout (Meet and Greet), 139
Handouts and supplements: Annotated Reference Page, 108e, 121–122; Annotated Reference Page supplementary resource, 108e, 121–122; content-rich, 108e, 114–116fig; Hand gestures, 139; the handout (Meet and Greet), 139; handouts (The Graceful Goodbye), 191; Infodeck, 108e, 118–119fig; Lecture Map, 108e, 109–112fig
Handouts (The Graceful Goodbye), 191
The handshake (Meet and Greet), 138
Health: Emotional Wellness video lecture, 291
Health and Wellness lecture, 324
The “hey, I know you” (Meet and Greet), 138
High-Impact Language Tip, 79t, 89–91
High tech lecture kit, 127
Hispanic Culture large lecture, 261–262
History large lecture, 213
The History of the American University large lecture, 254–255
History of the United States (1914 to Present) video lecture, 207
History of Western Civilization online lecture, 276
History of World War II video lecture, 307
Homework (The Graceful Goodbye), 191
The Hook Tip, 133e, 144–145
Humanities: The Ancient World large lecture, 291
Hybrid (or blended) course video lecture, 197

I
“I Have a Dream” speech (King), 92
Ibepapers Tip, 133e, 140–141
Idea generation, 52
Idea group labeling, 53fig
Idea selection and discarding, 52
Idea sorting, 52
Ieas: Brainstorming Tip for coming up with, 51e, 55–57; Context Keeper Tip for visual tracking of, 101–102fig; Internal Previews and Summaries Tip to help focus on key, 79t, 87–88; Sticky Note Diagrams Tip for coming up with, 51e, 52–53
An image (The Power Close), 189
Immunology lecture, 328–329
In Common Icebreaker, 141
Incomplete or vague answer (Right Means Right), 182
Individual Readiness Assurance Tests (iRATs) Technique, 199e, 212–215
Infodeck Tip, 108e, 118–119

Informal lecture, 68, 69t
Information-related techniques: anticipate and predict new information, 216e, 217–236; applying information, 194fig, 195, 302e–319; listening for information, 194fig, 195, 237e–257; rehearsing information, 194fig, 195, 288e–300
Inquiry in the Natural World large lecture, 294
Inspirers persona archetype, 48fig, 49
Instructional contexts: blended or hybrid course video lecture, 197; flipped course video lecture, 197; large lectures, 196; medium-sized lecture courses, 196; online course video lecture, 197; seminar talks, 196; very large lectures, 196
Interactive lecturing: contrasting transmission and presentation, 20t; creating “pedagogy of engagement” through, 15; engaging presentations through, 17–21t. See also Active learning: Lectures
Interactive lecturing model, 16fig
Interactivity lecture aspects, 68, 69t
Interdisciplinary Course: 3D Printing lecture, 306
Interest, preparation, and prior knowledge, 23–24
Interleaves (lecture and active learning alternating), 71, 72
Internal Previews and Summaries Tip, 79t, 87–88
Intrigue Journal Technique, 302e, 313–316
Intriguing question (The Hook), 144
Introduction to Accounting video lecture, 248
Introduction to American Government lecture, 233–234
Introduction to Anthropology large lecture, 219
Introduction to Biblical Studies large lecture, 251
Introduction to Clinical Pharmacy Skills large lecture, 247–248
Introduction to Communication Studies large lecture, 360
Introduction to Criminal Court Systems video lecture, 230
Introduction to Cultural Anthropology lecture, 210
Introduction to Engineering Fields large lecture, 339
Introduction to Engineering lecture, 218
Introduction to Geoscience lecture, 298–299
Introduction to Inorganic Chemistry large lecture, 318
Introduction to Leadership large lecture, 281, 284fig
Introduction to Philosophy lectures: Active Reading Documents (ARDs) Technique, 202; Know-Wonder-Learned (K-W-L) Technique, 205–206
Introduction to Popular Culture large lecture, 271–272
Introduction to Psychology video lecture, 262
Introductory Physics large lecture, 224
Invisible Slide Tip, 93e, 103–105
Jargon language, 89
JavaScript for Programmers video lecture, 354
Journalists’ Questions brainstorming technique, 55
Kawasaki method for slides, 98fig
Keep the Lights On Tip, 133e, 142–143
Kelo v. City of New London, 223
Key Term Icebreaker, 141
Keynote, 94, 118
Knowledge: Engaging Lecture Tip on providing background, 83; managing the lecture section through pedagogical, 149; preparation through prior, 23–24
Large lectures techniques: active learning benefits of, 196; Active Reading Documents, 202; Advance Organizers, 247; Coded Notes, 271–272; Cued Notes, 266–267; Guess and Confirm, 229–230; Guided Notes, 261–262; Individual Readiness Assurance Tests (iRATs), 213; Intrigue Journal, 314–315; Know-Wonder-Learned, 206–207; Lecture Bingo, 247–248; Lecture Engagement Logs, 360; Lecture Wrapper, 353–354; Listening Teams, 251; Live-Tweet Lecture, 254–255; One-Sentence Summary, 329; Post-Lecture Knowledge Survey, 349–350; Pre-Post Freewrite, 324; Preview Guide, 234–235; Punctuated Lecture, 344–345; Real-World Applications, 318; RSQC2, 339; Sentence Stem Predictions, 224; Sketch Notes, 281, 284fig; Snap Shots, 299; Support a Statement, 310; Thick and Thin Questions, 306–307; Think-Pair-Share, 294; 3–2–1, 332–333; Translate That!, 291; Two-Minute Question-Development Talks, 210; Update Your Classmate, 219
Law, Policy, and Ethics in Journalism lecture, 271
Learning: banking model of, 7; cooperative and collaborative, 13t; lecture vs. active learning debate over, 7–11e; PBL (problem-based learning), 13t; TBL (team-based learning), 13t. See also Active learning; Student learning
Learning Assessment Technique (LAT), 119fig
Learning Assessment Techniques: A Handbook for College Faculty (Barkley and Major), 33, 39
Learning Goals Inventory (LGI), 33, 39
Learning materials lecture section, 74
Learning tasks: active learning continuum for several key, 22t; recommendations for active learning, 21–22
Lecture Bingo Technique, 237e, 245–248
Lecture con-learning arguments: lectures do not offer authority or control to students, 7–8; research findings are poor learning from lectures, 8; students are passive learners in lectures, 7; too many challenges to learning in lectures, 8–9e
Lecture contexts: large lectures, 196; medium-sized lecture courses, 196; seminar talks, 196; very large lectures, 196; video lectures, 197. See also specific lecture context
Lecture-demonstration format, 69t
Lecture Engagement Logs Technique, 341e, 356–362
Lecture Map Tip, 108e, 109–112fig
Lecture notes: sample of outlined notes, 166; To Script, or Not to Script on using, 163e, 164–166
Lecture Plan Tip, 65e, 73–75
Lecture Preview Tip, 133e, 135–137
Lecture pro-learning arguments: active learning research done primarily in the sciences, 10–11; cognitive benefits to, 11; phenomenal success of TED Talks form of, 9; students can be active learners during, 10
Lecture script: sample of a, 166; To Script, or Not to Script on using, 163e, 164–166
Lecture sessions: booking and checking room for, 124e, 131–132; Lecture Supply Kit assembled by presenters for, 124e, 127–128; managing the, 31fig, 32; Managing the Sessions Tips on, 21t, 31fig, 32, 149e–162; structuring the, 30, 31fig, 65e–77; tips on how to dress for success, 124e, 129–130. See also Climate (classroom)
Lecture Supply Kit Tip: assembling a high tech, low tech, and basic survival kits, 127–128; description of the, 124; example of the, 128
Lecture vs. active learning debate: arguments for and against the lecture, 7–11; examples of active learning methods, 13; introduction to the, 3–4, 7; reconsidering how we frame the, 12–13
Lecture Wrapper Technique, 341e, 352–355
Lectures: arguments for and against the, 7–11; challenges of, 9; definitions of, 5; description and historical development of the, 4; different contexts of, 196–197; interactivity and duration of, 12; purposes of the, 5; transmission-model, 20; 27. See also Interactive lecturing
Lecturette lecture duration, 68, 69t
Less Is More Tip, 93e, 97–100fig
Lessig method for slides, 98fig
Leveraging the language: to help students track lecture focus and format, 79; Tips to create focus by, 21f, 30, 31, 31fig, 79f–91
Leveraging the Language Tips: Aristotelian Triptych, 79t, 80; High-Impact Language, 79t, 89–91; Internal Previews and Summaries, 79t, 87–88; Signposts, 79t, 82e–85
Linked Lectureettes Tip, 65e, 66–67
Listening: for information techniques, 194fig, 195, 237e–257; as key learning task, 22t; understanding the learning value of, 237
Listening for information techniques: for active learning attend phase, 194fig, 195, 237e–257; Advance Organizers, 237e, 238–244; Lecture Bingo, 237e, 245–248; Listening Teams, 237e, 249–252; Live-Tweet Lecture, 237e, 253–256
Listening Teams Technique, 237e, 249–252
Live-Tweet Lecture Technique, 237e, 253–256
Logical Pattern Tip, 51e, 58–61
Logical pattern types: cause and effect, 60; chronological order, 59fig, 61fig; comparison and contrast, 58–59; order of importance, 59fig; problem and solution, 60; sequential order, 59–60fig; simple to complex, 60; spatial, 60; topical, 58
“The Lost Cell Phone” story, 190fig
Low tech lecture kit, 127–128

M
Main Idea and Detail Chart, 239fig
Managing the session: knowledge of pedagogy for, 149; Tips to create climate, 21t, 31fig, 32
Managing the Session Tips: Classroom Technology Policy, 149e, 153–155; Every Minute Matters, 149e, 158–159; Extensions, 149e, 160–162; Silent Signals, 149e, 156–157; Terms of Engagement, 149e, 150–152
“Matter and Consciousness” (Churchland), 214
Media History and Culture large lecture, 324
Media Studies video lecture, 252
Medical terminology video lecture, 202
Medium lecture aspects, 69t
Medium-sized lecture courses, 196
Meet and Greet Tip, 133e, 138–139
Metacognitive reflection: description of the, 26; reflecting and metacognition techniques for, 194fig, 195, 341e–362
Microeconomics video lecture, 345–346
Mini-lecture duration, 68, 69t
Misconceptions of students, 43
Modern British Literature video lecture, 329
Motivation. See Student motivation
Multiculturalism in Student Affairs video lecture, 235
Multimedia lecture medium, 69t
Music Appreciation large lecture, 353–354
Music History: Eighteenth-Century Classicism video lecture, 319
Subject Index

N
The “name, please” (Meet and Greet), 138
No Hijacking technique, 148
Note-taking: Guided Notes Technique and use of guided, 24, 259e, 260–263; research on student learning relationship to, 258–259; taking notes techniques on, 194fig, 195, 258–287fig
Note-Taking Pairs Technique, 259e, 274–277
Novice conceptual understanding and ability, 43–44
Nurse Educator Roles and Responsibilities video lecture, 219
Nursing as a Profession lecture, 344
Nutrition in Health and Well-Being large lecture, 266–267

O
Objectives lecture section, 73
Observations lecture section, 74
Oceanography lecture, 348–349
One-minute lecture duration, 68, 69t
One more thing (The Power Close), 189
One-Sentence Summary Technique, 320e, 327–330
One-way lecture interactivity, 68, 69t
Online course video lecture, 197
Open-ended rhetorical question (The Hook), 144, 145
Oral essay lecture format, 69t
Oral only lecture medium, 69t
Order of importance logical pattern, 59fig
Organizational Communication large lecture, 299
Organizational theory lecture, 353
Overlays learning activities, 71

P
Partially correct answer (Right Means Right), 182
Participatory lecture interactivity, 68, 69t
Pass the chalk activity, 160
Pass the pointer activity, 160
“Passive learning” pedagogy, 7
Pathophysiology video lecture, 350
The pause (The Graceful Goodbye), 191
Pauses in speech, 172–173
Pedagogical Moves Tip, 163e, 169–171
Pedagogy: choosing Classroom Technology Policy to fit with your, 153; creating a “pedagogy of engagement,” 15; examples of active learning, 13t; lectures as “passive learning,” 7–8;
managing the lecture section through knowledge of, 149
Pedagogy of the Oppressed (Freire), 7
Performers persona archetype, 48fig, 49
Persona archetypes, 48fig, 49
Philosophy of Mind video lecture, 214
Physical Geography lecture, 261
Physics 101–Section 102: In-Class Electronics Policy, 154–155
Picture prompt activity, 161
Pitch (voice), 172
Planet, Stars, Galaxies, and the Universe video lecture, 242–243fig
Point-by-point lecture format, 68, 69t
Pompous words, 89
Post-Lecture Knowledge Survey Technique, 341e, 347–351
Post-student question (Wait Time), 180
Post-student response (Wait Time), 180
Post-teacher question (Wait Time), 180
Post-teacher response (Wait Time), 180–181
The Power Close Tip, 184e, 189–190fig
PowerPoint, 94, 118
Pre-instructional assignments, 23
Pre-Post Freewrite Technique, 320e, 322–325
Preexisting ideas of students, 43
Preparation strategies: contrasting transmission and interactive lectures, 27t; interest and prior knowledge stimulators, 23–24; pre-instructional assignments, 23
Prepare phase (active learning): actively preparing techniques, 194fig, 198–215; anticipating and predicting new information techniques, 191fig, 216e–236; correlating to active learning techniques, 28t; during interactive lecture, 27fig
Presentation Persona Tip, 34e, 48fig–50
Presenting like a professional: student learning directed related to your, 163; Tips to facilitate communication, 21t, 31fig
Presenting Like a Professional Tips: Pedagogical Moves, 163e, 169–171; To Script, or Not to Script, 163e, 164–166; Voice Modulation, 163e, 172–173; Weatherperson, 163e, 167–168
Preview Guide Technique, 216e, 232–236
Prezi, 94, 118
Prior knowledge preparation, 23–24
Problem and solution logical pattern, 60
Problem-based learning (PBL), 13
Problem-solving learning task, 22
Problem-solving lecture format, 69
Proponents assignment, 249, 250
Props (to replace slides), 106
A provocative question (The Power Close), 189
Psychological and demographic factors, 42–43
Psychology 101 video lecture, 267
Punctuated Lecture Technique, 341e, 343–346
Purpose lecture section, 73

Q
Qualitative Research Methods video lecture, 272
Questioners assignment, 249, 250
Questions: bonus discussion questions activity, 161; intriguing question (The Hook), 144; Journalists’ Questions brainstorming technique, 55; Lecture Preview through guiding, 137; open-ended rhetorical question (The Hook), 144, 145; prevent lecture from being hijacked by student, 148; Quirky Question Icebreaker, 141; research on asking students, 24–25; Silent Signals Tip to check if students have any, 157; Thick and Thin Questions Technique, 302e, 304–308; Wait Time as time between an answer and a, 175e, 180–181. See also Asking and Answering Questions Tips
Quick write activity, 161
Quirky Question Icebreaker, 141
Quizzes (closure strategy), 26
Quotations (The Hook), 144, 145
Quote minus one activity, 161

R
Rate of speech, 172
Readiness factors: description of student, 43; misconceptions, 43; novice conceptual understanding and ability, 43–44
Reading learning task, 22
Real-World Applications Technique, 302e, 317–319
Reflection-action persona aspect, 48fig, 49
Rehearsing information techniques: for active learning use phase, 194fig, 195, 288e–300; Snap Shots, 288e, 297–301; Think-Pair-Share, 288e, 293–296; Translate That!, 288e, 289–292
Research findings: on active learning, 23–27t; on active learning is primarily in the sciences, 10–11; on engaging presentations elements, 17–19, 20–21t; on learning effectiveness of lectures, 8; on student learning relationship to taking notes, 258–259
Right Means Right Tip, 175e, 182–183
Role Storm brainstorming technique, 55
RSQC2 Technique, 320e, 336–340
Rule of Three Tip, 51e, 62–64

S
Scaffolding learning: active learning techniques for, 27–28t; for having students write questions, 176–177; Terms of Engagement Tip to prepare for, 149e, 150–152. See also Student learning Science Fiction lecture, 332
Script (lecture), 163e, 164–166
Select-a-Structure Tip, 65e, 68–70
Semic Map, 239fig
Semiformal lecture, 68, 69t
Seminar talks, 196
Sensory words and language, 90
Sentence Stem Predictions Technique, 216e, 221–226
Sequence Chain, 240fig
Sequential order logical pattern, 59–60fig
Series of rhetorical questions (The Hook), 144
Sessions. See Lecture sessions
Setting goals: description and resources on, 33; provide students with clear goals by, 17; Tips to create focus by, 21t, 30, 31fig, 33–36
Setting Goals Tips: Big Why, Little Why, 34e, 35–36; Presentation Persona, 34e; SMART Lecture Learning Goals, 33, 34e, 38–46; Student Characteristics Analysis Tip, 34e
Signaling the takeaways: to prove closure, 184; Tips to facilitate communication, 21t, 31fig, 32, 184e–192fig
Signaling the takeaways Tips: The Connector, 184e, 187fig–188fig; The Graceful Goodbye, 184e, 191–192fig; The Power Close, 184e, 189–190fig; The Synthesis, 184e, 185fig–186
Signposts structure: conclude the lecture, 85e; indicate key junctures, 83–84e; overarching, 82e; provide background knowledge, 79e; stress the purpose, 83e
Signposts Tip, 79t, 82e–85f
Signs (to replace slides), 107
Silent Signals Tip, 149e, 156–157
Simple activity, 161
Simple to complex logical pattern, 60
Sketch Notes Technique, 259e, 278–287f
Slide Replacement Tip, 93e, 106–107
Slide transition, 102
Slides. See Audiovisual slides
Small-group work, 25
The small talk (Meet and Greet), 138
SMART Lecture Learning Goals Tip, 33, 34e, 38–40
Snap Shots Technique, 288e, 297–301
Snapshots, 13t
Sneak peek (The Graceful Goodbye), 191
Social media: Lecture Preview through, 135–136;
Twitter, 102, 135–136, 161, 237e, 253–256
Sociology large lecture, 344–345
Sociology of the Family large lecture, 314–315
Socratic lecture format, 68, 69t
Sorted ideas, 53f
Spanish video lecture, 324–325
Spatial logical pattern, 60
Sports management lecture, 206–207
Statistic or fact (The Hook), 144, 145
Statistics large lecture, 306–307
Statistics video lecture, 225
Sticky Note Diagrams Tip, 51e, 52–53f
Stories: Gandhi story, 145; “The Lost Cell Phone” story, 190f; storytelling lecture format, 69t
A story (The Hook), 144, 145
Storyboarding template, 287f
g
Strong Voice technique, 147
Structuring the Session: Tips to create focus by, 21t, 30, 31f, 65e–77; various interactive lecture session uses of, 65
Structuring the Session Tips: Bookends, Interleaves, and Overlays, 65e, 71–72; Double Planning, 65e, 76–77; Lecture Plan, 65e, 73–75; Linked Lecturetes, 65e, 66–67; Select-a-Structure, 65e, 68–70
Student Characteristics Analysis Tip, 34e, 42–46
Student-entry characteristics lecture section, 73
Student learning: contextual factors of, 44–45; demographic and psychographics factors of, 42–43; directly related to teacher’s presentation skills, 163; readiness factors of, 43–44; research on engaging presentations and, 17–19, 20t–21t; research on taking notes relationship to, 258–259. See also Active learning; Learning; Scaffolding learning
Student motivation: actively preparing techniques to drive, 198–215; importance of facilitating, 133–134; Tips to generate interest and, 21t, 31f, 133e–148
Student pollsters activity, 162
Students: clear learning goals for, 17; contextual factors of, 44–45; demographic and psychological factors of, 42–43; establishing classroom policies for your, 149e, 154–155; readiness factors of, 43–44; Student Characteristics Analysis of, 34e, 42–46
Students as teachers activity, 160
Summarizers assignment, 249, 250
Supplements. See Handouts and supplements
Support a Statement Technique, 302e, 309–311
Supports: about the correlating engaging lecture Tips, 20t–21t, 30, 31f; research on engaging presentation element of, 18–19
Supports Tips: Annotated Reference Page, 108e, 121–122; Content-Rich Handout, 108e, 114–116f; Context Keeper, 93e, 101–102f; Infodeck, 108e, 118–119f; Invisible Slide, 93e, 103–105f; Lecture Map, 108e, 109–112f; Less Is More, 93e, 97–100f; Slide Replacement, 93e, 106–107; Template Temperance, 93e, 94–95
Survey of World Music video lecture, 282, 285f, 286f
Synthesis Frame (The Synthesis), 185–186
The Synthesis Tip, 184e, 185f–186

T
Tabloid titles activity, 161
Takahashi method for slides, 97–98f
Taking notes: guided, 24; research on student learning relationship to, 258–259; using laptops for, 258
Taking notes techniques: for active learning attend phase, 194fig, 195, 258–287fig; Coded Notes, 259e, 269–273; Cued Notes, 259e, 264–268; Guided Notes, 259e, 260–263; Note-Taking Pairs, 259e, 274–277; Sketch Notes, 259e, 278–287fig

Teachers: dressing for success, 124e, 129–130; expert “time for telling” by, 10; four presenter archetypes of, 48fig–50; Lecture Supply Kit assembled for lectures by, 124e, 127–128

Team-based learning (TBL), 13
t

Ted Talks, 9

Template for storyboarding, 287fig

Template Temperance Tip, 93e, 94–95fig

Terms of Engagement Tip, 149e, 150–152

“Therefore I Am” (Bloom), 214

Thick and Thin Questions Technique, 302e, 304–308

Think-aloud pair problem-solving, 13t

Think-pair-share learning method, 13t

Think-Pair-Share Technique, 288e, 293–296

Thinking-feeling persona aspect, 48fig, 49

Thinking outside the Disciplinary Box technique, 56

This or That Icebreaker, 140

Three-step interview, 13t

3-2-1 Technique, 320e, 331–334

“Time for telling,” 10

Time to pack and go announcement (The Graceful Goodbye), 192

Timing lecture section, 74

To Script, or Not to Script? Tip, 163e, 164–166

Top-ten list activity, 161

Topical logical pattern, 58

Total physical response activity, 160

Translate That! Technique, 288e, 289–292

Transmission-model lecture: interactive lecturing presentations vs., 20t; learner stances/roles of interactive lectures vs., 27t

True or false? activity, 161

Truth statements activity, 161

Twitter: Lecture Preview Tip using, 135–136; Live-Tweet Lecture Technique using, 237e, 253–256; slide decks that include Twitter hashtags, 102; tips on getting started and using, 256; Twitter post activity using, 161

Two-Minute Question-Development Talks (TQDTs) Technique, 199e, 209–211

Two-way, limited lecture interactivity, 68, 69t

Two-way, negotiated lecture interactivity, 68, 69t

U

Understanding by Design (Wiggins and McTighe), 33

Unsorted ideas, 53fig

Unusual detail (The Hook), 144, 145

Update Your Classmate Technique, 216e, 217–220

Use phase (active learning): applying information techniques, 194fig, 195, 302e–319; correlating to active learning techniques, 28t; during interactive lecture, 27fig; rehearsing information techniques, 194fig, 195, 288e–300. See also Application strategies

V

Vague or incomplete answer (Right Means Right), 182

Value Display Tip, 133e, 147–148

Value Pitch technique, 147

Venn Diagram, 239fig

Very large lectures, 196

Video lecture: blended or hybrid courses, 197; flipped courses, 197; medium of, 69t; online courses, 197; using slides vs., 106

Video lecture technique examples: Active Reading Documents (ARDs), 202; Advance Organizers, 242–243fig; Coded Notes, 272; Cued Notes, 267; Guess and Confirm, 230; Guided Notes, 262; Individual Readiness Assurance Tests (iRATs), 214; Intrigue Journal, 315; Know-Wonder-Learned (K-W-L), 207; Lecture Bingo, 248; Lecture Engagement Logs, 360–362; Lecture Wrapper, 354; Listening Teams, 252; One-Sentence Summary, 329; Post-Lecture Knowledge Survey, 350; Pre-Post Freewrite, 324–325; Preview Guide, 235; Punctuated Lecture, 345–346; Real-World Applications, 319; RSQC2, 339–340; Sentence Stem Predictions, 224; Sketch Notes, 282, 285fig–286fig; Snap Shots, 300; Support a Statement, 310; Thick and Thin Questions, 307; Think-Pair-Share, 295; 3-2-1, 333–334; Translate That!, 291; Two-Minute Question-Development Talks (TQDTs), 210–211; Update Your Classmate, 219
Voice Modulation Tip, 163e, 172–173
Volume (voice), 172

W
Wait Time Tip, 175e, 180–181
Weatherperson Tip, 163e, 167–168
What If? brainstorming technique, 56
Whiteboard, 107

without Apology technique, 147
“Women’s Rights to Suffrage” (Anthony), 92
Write a Question Tip, 175e, 176–177
Writing key learning task, 22t
Wrong answer (Right Means Right), 183

Z
Zone of Relevance, 240fig