

TCC Library's Directory of OER Subject Guides

TCC LIBRARY'S DIRECTORY OF OER SUBJECT GUIDES

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CONTENTS

Introduction	1
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Part I. Directory of general OER guides

Faculty/staff guide to OER	5
Student guide to OER	7
Copyright basics guide	8

Part II. Directory of OER subject guides (alphabetized by subject)

Accounting	13
Anthropology	14
Art	15
Astronomy	16

Biology	17
Business and Logistics	18
Careers	20
Chemistry	21
College Success	22
Communication Studies	23
Community and Public Health	24
Computer Science	26
Computer Skills	27
Creative Writing	28
Culturally Responsive and Inclusive Pedagogy	29
Developmental and Transitional Studies (ABE, ELA, EAP)	31
Early Childhood Education	33
Economics	34
Engineering	35
Environmental Studies and Sustainability	36
Film Studies	37
Geography	38
Geology	39
Health Information Technology and Management	40

History	42
Human Services	43
Humanities	44
Information Systems	45
Literature	47
Mathematics	48
Music	49
Nursing	50
Nutrition	51
Oceanography	52
Paralegal	53
Philosophy and Religion	55
Physical Education	56
Physics	57
Political Science	58
Psychology	59
Radiologic Science	60
Research Skills	61
Sociology	62
Tutoring and Academic Skills	63
World Languages	64
Writing	65

This directory of **OER** subject guides was created for Tacoma Community College faculty and staff, and reflects TCC credit, continuing education, and corrections course offerings. The purpose of these guides is to help faculty and staff more easily find and review OER in their areas so that they can make decisions about quality, accuracy, relevancy, and potential use.

These OER subject guides were originally launched to TCC faculty and staff in Fall 2019.



One or more interactive elements has been excluded from this version of the text. You can view them online here:

<https://openwa.pressbooks.pub/tccoersubjectguides/?p=4#oembed-1>

The guides are updated regularly throughout the academic year by the OER Librarian and librarian faculty.

If you would like to add any resources to the OER subject guides, or provide feedback, please visit this Contribution Form for TCC Library's OER Subject guides. This form is for TCC faculty and staff to add suggestions, improvements, and personal recommendations and tips for specific resources.

Thank you for contributing to and improving these OER subject guides!

PART I

DIRECTORY OF GENERAL OER GUIDES

FACULTY/STAFF GUIDE TO OER

Faculty/staff guide to Open Educational Resources (OER)

This guide is designed to help TCC faculty and staff find, create, evaluate, and incorporate open educational resources for instructional and training purposes.

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- OER basics
- OER myths
- Find OER
- Evaluate OER
- Create OER
- OER licenses
- OER attributions
- Open access
- OER and Canvas
- Open pedagogy
- Library resources

- OER support @ TCC
- OE Steering Group
- Print on Demand
- OER stories

STUDENT GUIDE TO OER

Student guide to Open Educational Resources (OER)

This guide focuses on **open educational resources** (OER) for TCC students and how to find, use, and cite openly licensed **multimedia** and materials.

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- What is OER?
- How to find multimedia OER
- How to cite OER
- How to find OER courses @ TCC
- How to find low-cost textbook options @ TCC
- OER support for students @ TCC
- OER stories

COPYRIGHT BASICS GUIDE

Copyright basics guide

This guide focuses on basic concepts and practical applications of **copyright** for TCC faculty and staff, including but not limited to:

- TCC policy
- Copyright basics
 - Copyright law
 - Fair use
 - Classroom use exception
 - TEACH Act
- Practical applications
 - Video & audio
 - Images
 - Articles
 - Coursepacks
 - Music (sheets & recordings)
 - Photocopying & scanning
 - Reserves
- Obtaining permission:

- General permissions
- Student permissions

PART II

DIRECTORY OF OER SUBJECT GUIDES (ALPHABETIZED BY SUBJECT)

ACCOUNTING

Accounting – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Financial accounting
- Managerial and business accounting
- Personal finance
- Income tax

ANTHROPOLOGY

Anthropology – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Survey of anthropology
- Archaeology
- Biological anthropology
- Human osteology
- Cultural anthropology
- Linguistics
- Native Americans
- Ethnographies

ART

Art – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Art collections online
- Art appreciation
- Art history
- Two-dimensional design
- Drawing
- Graphic design
- Digital photography
- Ceramics
- Printmaking
- Art portfolio
- Art for elementary education

ASTRONOMY

Astronomy – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Textbooks and online courses
- Supplemental materials

BIOLOGY

Biology – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Survey of biology
- Marine biology
- Cell biology
- Microbiology
- Evolution, ecology, and biodiversity
- Human anatomy and physiology
- Environmental biology
- Botany
- Biology research

BUSINESS AND LOGISTICS

Business and Logistics – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Intro to business
- Business management
- Business math
- Business statistics
- Marketing
- Retail management
- Global business
- International logistics
- Small business
- Organizational behavior and human resources
- Customer service
- Business communication
- Business law
- Business ethics

- Financial management
- Project management
- Social media for business
- Digital and social media management
- Entrepreneurship and innovation
- Strategy and sustainability
- Business economics
- Operations and logistics
- Transportation and distribution
- Inventory management
- Importing and exporting

CAREERS

Careers – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Career exploration
- Job search and interview skills

CHEMISTRY

Chemistry – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Intro to chemistry (non-majors)
- General chemistry
- Organic chemistry
- Chemistry for allied health

COLLEGE SUCCESS

College Success – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- College readiness
- Online learning
- Career decision-making
- Math anxiety
- Test anxiety for nursing students

COMMUNICATION STUDIES

Communication Studies – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Fundamentals of communication
- Intro to mass media
- Multicultural communication
- Public speaking
- Interpersonal communication
- Small group communication
- Business communication
- Media and mass communication
- Health communication

COMMUNITY AND PUBLIC HEALTH

Community and Public Health – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Intro to community health
- Global health
- Community health advocacy
- Community health communications and informatics
- Health policy, law, and ethics
- Epidemiology
- Population health and wellness
- Program planning and evaluation
- Health care research and statistics
- Disaster preparedness
- Environmental health
- Trauma as a community health issue
- Families as social systems
- Epidemics and prevention

- Health, culture, and diversity
- EMS ethics and leadership
- Emergency management
- Injury prevention
- Community paramedicine
- Health care writing

COMPUTER SCIENCE

Computer Science – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Computer science principles
- Java

COMPUTER SKILLS

Computer Skills – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Intro to computer skills
- Word
- Excel
- PowerPoint
- Access
- Online learning

CREATIVE WRITING

Creative Writing – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Creative writing skills
- Reading lists and essays
- Poetry
- Prose/fiction

CULTURALLY RESPONSIVE AND INCLUSIVE PEDAGOGY

Culturally Responsive and Inclusive Pedagogy – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Concepts and keywords
- TCC EDI resources
- Introductory professional development
- More in-depth professional development
- Curriculum (activities, lesson plans, assignments, syllabus)
- Classroom environment
- OER and EDI rubrics
- Open pedagogy
- Images
- Instructional design
- Accessibility

- Business
- College success
- Communication studies
- Education
- ELA and languages
- Environmental studies
- Health
- History
- Information systems
- International programs
- Social sciences
- STEM
- Writing and literature

DEVELOPMENTAL AND TRANSITIONAL STUDIES (ABE, ELA, EAP)

Developmental and Transitional Studies (ABE, ELA, EAP) – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas in **ABE**, **ELA**, and **EAP**, including but not limited to:

- Multi-discipline OER repositories that include pre-college or Adult Education materials
- Grammar and punctuation
- Spelling and phonics
- Listening and speaking
- Audiobooks and e-books
- Stories, readers, and news articles
- Vocabulary building
- Reading and literacy
- Writing
- Life skills

- Math
- Technology
- Art
- History
- STEM

EARLY CHILDHOOD EDUCATION

Early Childhood Education – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Intro to early childhood education
- Curriculum development
- Math, science, and technology
- Healthy, safety, and nutrition
- Language, literacy, and arts
- Child development and care
- Family systems and communication
- Administration
- Cultural competency

ECONOMICS

Economics – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Microeconomics
- Macroeconomics
- Alternative approaches
- Economics for managers/business
- Econometrics

ENGINEERING

Engineering – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Intro to engineering
- Engineering graphics
- Materials science
- Electrical circuits
- Statics
- Dynamics
- Engineering thermodynamics
- Mechanics of materials
- Applied numerical methods

ENVIRONMENTAL STUDIES AND SUSTAINABILITY

Environmental Studies and Sustainability – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Environmental science
- Environmental history and sustainability
- Math and the environment
- Environmental ethics
- Environmental literature and writing
- Native American environmental case studies
- Environmental politics

FILM STUDIES

Film Studies – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Intro to film
- American history, American film
- Politics and film

GEOGRAPHY

Geography – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Physical geography
- Maps, GIS, and the environment

GEOLOGY

Geology – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Physical geology
- Fossils and history of life
- Historical geology
- Structural geology
- Geology of the PNW

HEALTH INFORMATION TECHNOLOGY AND MANAGEMENT

Health Information Technology and Management – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- HIT and HIM foundations
- Medical terminology
- Pathophysiology
- Pharmacology
- Health records and systems
- Health insurance protection and HIPAA
- Coding
- Data analytics
- Quality improvement
- Medical office procedures
- Health laws, politics, and ethics

- Online learning
- Health care writing

HISTORY

History – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- World history
- European history
- U.S. history
- American history, American film
- Pacific NW history
- Native American history
- African American history
- History of Japan
- History of China
- Environmental history

HUMAN SERVICES

Human Services – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Intro to human services
- Therapeutic approaches/techniques
- Behavioral health/wellness
- Best practices
- Advanced helping strategies
- Ethics and professional development
- Addictions and pharmacology
- Cultural competencies
- Trauma informed care
- Family violence
- Youth and families
- Co-occurring disorders
- Sexual orientation and gender identity issues
- Aging and adult services

HUMANITIES

Humanities – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Intro to humanities
- Global humanities
- American multicultural arts
- Intro to film
- American history, American film
- The city
- Intro to Pacific Rim cultures (Taiwan)
- Literature
- Bible as literature
- Writing

INFORMATION SYSTEMS

Information Systems – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Microcomputer fundamentals
- Operating systems
- Help desk operations
- Programming
- Database implementation – SQL
- IT project management
- Social media
- Client/server technology – LANs
- Administration of networks
- Windows networks
- Internetworking
- Scripting: Python
- Scripting: Powershell/ISE
- Scripting: BASH
- Emerging communication technology & IT ethics

- Information and data security
- Digital forensics
- Cloud computing & virtualization
- Data science & big data analytics
- Routing and switching

LITERATURE

Literature – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Anthologies and readings
- Intro to literature
- American literature
- British literature
- Shakespeare
- World literature
- Women's literature
- Mythology
- Bible as literature
- Environmental literature
- Children's literature
- Sci-fi and fantasy literature
- Writing and literature

MATHEMATICS

Mathematics – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Developmental math
- Math anxiety
- Math education
- Math in society
- Algebra
- Statistics
- Precalculus
- Calculus
- Trigonometry
- Differential equations
- Multivariable calculus
- Math and the environment

MUSIC

Music – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Music appreciation
- Music theory
- World music
- Music in the classroom
- Digital music
- Applied music
- Music performance/ensembles

NURSING

Nursing – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Nursing practice (health and illness)
- Pharmacology
- Clinical teaching
- Nursing professional concepts
- Intravenous therapy skills
- Patient care
- Health careers
- Nutrition in health care
- Ethics in health care
- Psychosocial issues in health care
- Nursing writing and research
- Test anxiety for nursing students

NUTRITION

Nutrition – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Human nutrition
- Food and sustainability
- Nutrition in healthcare
- Nutrition, wellness, and fitness

OCEANOGRAPHY

Oceanography – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Intro to oceanography
- Physical oceanography
- Marine biology

PARALEGAL

Paralegal – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Pedagogy and instructional design
- Legal documents, writing, and research
- Paralegal fundamentals & ethics
- Civil law
- Civil procedure
- Health/dealing with stress
- Criminal procedure
- Family law
- Probate/estate planning
- Alternative dispute resolution
- Real estate law
- Bankruptcy law
- Administrative law
- Employment and labor law
- Business organizations/corporations
- Contracts/commercial transactions

- Investigations, evidence, and e-discovery
- Transition planning

PHILOSOPHY AND RELIGION

Philosophy and Religion – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Intro to philosophy
- Logic and critical thinking
- Religion

PHYSICAL EDUCATION

Physical Education – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Total fitness
- Badminton
- Basketball
- Body conditioning
- Health, wellness, and nutrition
- Hiking
- Self-defense
- Soccer
- Softball
- Volleyball
- Walking and jogging
- Weight training
- Yoga
- Coaching theory

PHYSICS

Physics – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- General physics for non-majors
- Engineering physics for majors

POLITICAL SCIENCE

Political Science – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Intro to political science
- American government
- Civic engagement
- Political theory
- International relations
- Environmental politics
- Politics and film

PSYCHOLOGY

Psychology – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- General psychology
- Lifespan development
- Human sexuality
- Personality
- Abnormal psychology
- Social psychology
- Biopsychology
- Health psychology
- Research methods in psychology

RADIOLOGIC SCIENCE

Radiologic Science – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Fundamentals of radiologic science
- Radiation physics
- Clinical education
- Radiographic positioning
- Radiographic images and digital radiography
- Fundamentals of patient care

RESEARCH SKILLS

Research Skills – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Research skills and information literacy
- Web and media literacy
- Academic integrity and plagiarism
- Research methods across the curriculum

SOCIOLOGY

Sociology – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Intro to sociology
- Social problems
- Women's and gender studies
- Research methods for sociology
- Race and ethnic relations
- Sociology of Latinx Americans
- Sociology of African Americans
- Sociology of sport
- Sociology careers
- Crime, deviance, and social control

TUTORING AND ACADEMIC SKILLS

Tutoring and Academic Skills – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Peer tutoring and support
- Writing and reading skills
- College success skills
- Research skills
- TCC tutoring resources

WORLD LANGUAGES

World Languages – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- Spanish – introductory
- Spanish – intermediate/advanced
- German
- Japanese
- Chinese
- Arabic
- French

WRITING

Writing – TCC OER Subject Guide

This OER subject guide highlights and summarizes **OER**, **open access**, and/or **library materials** for the following areas, including but not limited to:

- General writing handbooks
- Curriculum & online lab resources
- Anthologies & essays
- Pre-college writing
- Rhetoric and composition
- Argument
- Research
- Grammar
- Resources for ESL & multilingual students
- Technical writing

GLOSSARY

ABE

Adult Basic Education

Copyright

Copyright gives the creator of a literary, artistic, musical, other creative and/or tangible work the right to publish, distribute, and/or sell that work.

EAP

English for Academic Purposes. The EAP program is designed to prepare international students for English language skills and use in the U.S. college classroom.

ELA

English Language Acquisition

Library materials

Library materials include: licensed e-books, online magazines & journals, streaming media, and other online resources available through the TCC Library

subscriptions. These resources are restricted to TCC students, faculty and staff, and they are already-licensed materials that do not allow for customization and re-use or redistribution the same way as OER. Although library online resources are not "open," they are available at no extra cost to students.

Multimedia

Multimedia includes images, videos, and audio.

OER

Open educational resources (OER) are openly licensed resources available at little or no cost that can be used for teaching, learning, or research. ("7 Things You Should Know About Open Educational Resources" by EDUCAUSE)

Open access

Open access (OA) refers to online resources that are free of all restrictions for access (e.g. paywalls or subscriptions). Open access can be applied to all forms of published resources and research, including peer-reviewed and non peer-reviewed. Open access materials are NOT necessarily openly licensed. Sometimes, open access materials are also openly licensed, but you have to check the license or copyright info.