

## Online e-resources to support e-learning

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### Open Educational Resources (OER)

OER (Open Education Resources) can be a good quality and cost effective resource for educators to utilize. Here we have compiled some OER offered by various universities and organizations to help with eLearning.

#### Sections

- [ASD](#)
- [EPD](#)
- [ESD](#)
- [ISTD](#)
- [HASS](#)
- [SCIENCE & MATH](#)
- [OER Search Engines](#)

Subject	Database	Link
Courses	<b>O'Reilly</b> Expert Playlists - Learn from the best, with handpicked content from industry leaders. <i>[** You will be prompted to enter your e-mail. Please enter your SUTD e-mail address and click on "Let's Go" to access the collection.]</i>	<a href="#">Link</a>
	<b>IEEE Courses</b> - IEEE, the renowned professional body, offers a great eLearning opportunity. Courses on hot areas like Cyber Security, Ethical Solutions to Defeat Cyber Attacks, IoT and even general topics for engineers such as networking, presentation skills, six sigma and engineering ethics are available. Sign in and master your skills!	<a href="#">Link</a>
	<b>LinkedIn Learning</b> formerly known as lynda.com provides a vast online library of instructional videos covering the latest software, creative, and business skills. Taught by accomplished teachers and recognized industry experts, lynda.com is a high-quality resource for students and staff looking to develop skills in a wide range topics. <i>*First time user needs to create an account using your SUTD email account.</i> <i>Click here to create an account</i>	<a href="#">Link</a>
eBooks	<b>DeGruyter Online</b> Full-text access to a selected collection of ebooks on Architecture and Design, City Planning, Landscape Planning and Materials Sciences from De Gruyter. Select "All Accessible Content" filter to access full-text content. SUTD Library acquires ebooks from this platform on a title-by-title basis for course, reference, and general reading.	<a href="#">Link</a>
	<b>Royal Institute of British Architects</b> Full-text handbooks and guides published by the Royal Institute of British Architects. The ebook collection covers Building and Design topics such as inclusive accessible design, project management and sustainability.	<a href="#">Link</a>
	<b>Ebook Central</b> A database of over 100,000 eBooks across a wide range of subjects, including Architecture, Education, Business, Literature, Religion & Philosophy, Military Science, and Science and Technology. Select "Owned and subscribed by my library" filter to access full-text content.	<a href="#">Link</a>
	<b>EBSCOhost ebook Collection</b> Access over 90,000 full-text scholarly, reference and professional eBooks from leading publishers. The multi-disciplinary subjects include Art and Architecture, Computer Science; Engineering & Technology, Mathematics, Social Science, and the Sciences.	<a href="#">Link</a>
	<b>Safari Tech and Business Books Online</b> <i>[** You will be prompted to enter your e-mail. Please enter your SUTD e-mail address and click on "Let's Go" to access the collection.]</i> Provides access to over 30,000 Technology, and Business eBooks and over 9,000 hours of training and conference videos. It contains titles from the world's top technology and business publishers, including <b>O'Reilly, Addison-Wesley, Pearson and Elsevier.</b>	<a href="#">Link</a>
	<b>Cambridge Core - eBooks</b> Cambridge eBooks offers extensive scholarly content, ranging from undergraduate textbooks to the latest research. It covers multi-disciplinary subjects across science and technology, as well as humanities and social sciences. SUTD Library acquires ebooks from this platform on a title-by-title basis for course, reference, and general reading.	<a href="#">Link</a>
	<b>Gale virtual reference Library (GVRL)</b> Access to a selection of ebooks on Architecture, Business Management, History and Technology. GVRL includes audio features to listen to sections of the book. SUTD Library acquires ebooks from this platform on a title-by-title basis for course, reference, and general reading.	<a href="#">Link</a>
	<b>Springer Link</b> Access more than 1200 peer-reviewed current and archival journals and over 60,000 eBooks in the fields of Business and Economics, Chemistry and Materials Science, Computer Science, Engineering, Mathematics and Statistics, Physics, as well as Humanities, Social Sciences & Law. Full-text coverage of the journal articles extends from all available backfiles to the latest published ahead of print.	<a href="#">Link</a>
	<b>Taylor and Francis eBooks</b> Access the full-text of over 1000 eBooks on Built Environment, Cities, Conservation, Sustainable Architecture and Urban Studies. Content from renowned publishers such as Routledge, Psychology Press, Focal Press and Ashgate.	<a href="#">Link</a>
<b>World Scientific</b> Access a diverse range of high-quality academic content spanning 17 subject areas, such as Asian Studies, Chemistry, Computer Science, Environmental Science, Engineering, Materials Science, Mathematics and Nanoscience. SUTD Library acquires ebooks from this platform on a title-by-title basis for course, reference, and general reading.	<a href="#">Link</a>	

## Open Educational Resources For

# ASD Pillar

Subject	Authoring Institution	Link to OER
eBooks	Cuny Academic	<a href="#">Link</a>
	OER Commons - Architecture	<a href="#">Link</a>
	BCcampus OpenEd	<a href="#">Link</a>
	Directory of Open Access Books (DOAB)	<a href="#">Link</a>
	MIT OpenCourseWare Online Textbooks	<a href="#">Link</a>
	Galileo Open Learning Materials	<a href="#">Link</a>
Courses	MIT OpenCourseWare	<a href="#">Link</a>
	Galileo Open Learning Materials	<a href="#">Link</a>
	TU Delft	<a href="#">Link</a>
	Harvard	<a href="#">Link</a>
	Academic Earth	<a href="#">Link</a>
	Merlot	<a href="#">Link</a>
	University of Michigan	<a href="#">Link</a>

## Open Educational Resources For EPD Pillar

Subject	Authoring Institution	Link to OER
Learning Materials	ENGINEERING.com	<a href="#">Link</a>
	Galileo Open Learning Materials	<a href="#">Link</a>
eBooks	Wikibooks - Engineering	<a href="#">Link</a>
	LibreTexts	<a href="#">Link</a>
	Cuny Academic	<a href="#">Link</a>
	OER Commons - Engineering	<a href="#">Link</a>
	BCcampus OpenEd	<a href="#">Link</a>
	Directory of Open Access Books	<a href="#">Link</a>
	Open Textbook Library	<a href="#">Link</a>
	textbooksfree.org	<a href="#">Link</a>
	Khan Academy	<a href="#">Link</a>
	InTechOpen	<a href="#">Link</a>
	The National Academies Press (NAP)	<a href="#">Link</a>
	MIT OpenCourseWare Online Textbooks	<a href="#">Link</a>
	Textbook Revolution	<a href="#">Link</a>
	OpenCulture	<a href="#">Link</a>
Courses	MIT OpenCourseWare	<a href="#">Link</a>
	Teaching Commons	<a href="#">Link</a>
	OER Commons - STEM Learning Resources	<a href="#">Link</a>
	Saylor	<a href="#">Link</a>
	Open Yale Course	<a href="#">Link</a>
Ergonomics	Khan Academy	<a href="#">Link</a>
Mechanical Design	iCrank.com	<a href="#">Link</a>
Materials Properties	matweb	<a href="#">Link</a>

	University of Cambridge Online Materials Science Learning Resources (DoITPoMS)	<a href="#">Link</a>
CFD	CFD Online	<a href="#">Link</a>
Engineering Fundamentals	efunda	<a href="#">Link</a>

## Open Educational Resources For ESD Pillar

Subject	Authoring Institution	Link to OER
Transportation	OASIS	<a href="#">Link</a>
Finance and Investment	OECD Library	<a href="#">Link</a>
Statistics	OER Commons	<a href="#">Link</a>
eBooks	Wikibooks	<a href="#">Link</a>
	Lyryx Learning	<a href="#">Link</a>
	Textbooks Free	<a href="#">Link</a>
	Open Textbook Library	<a href="#">Link</a>
	Intech Open	<a href="#">Link</a>
Courses	Khan Academy	<a href="#">Link</a>
	MIT OpenCourseWare	<a href="#">Link</a>
	MyOpenMath	<a href="#">Link</a>
	Coursera (Data Analytics)	<a href="#">Link</a>
	edX ( Data Analytics)	<a href="#">Link</a>

## Open Educational Resources For ISTD Pillar

Subject	Authoring Institution	Link to OER
Algorithms and Datastructure	Algorithms and Data Structures with Applications to Graphics and Geometry	<a href="#">Link</a>
	Programming from Ground up	<a href="#">Link</a>
Computer Science (General)	Delftse Foundations of Computation	<a href="#">Link</a>
	Google for Education - Applied CS Skills	<a href="#">Link</a>
Database	Database Design - 2nd Edition	<a href="#">Link</a>
Information Systems	Information Systems	<a href="#">Link</a>
	Information Systems	<a href="#">Link</a>
Computer Networking	Computer networking	<a href="#">Link</a>
eBooks	Wikibooks	<a href="#">Link</a>
	Textbooks Free	<a href="#">Link</a>
	Open Textbook Library	<a href="#">Link</a>
Courses	Khan Academy	<a href="#">Link</a>

	MIT OpenCourseWare	<a href="#">Link</a>
	Lumen Learning ( Computer Applications)	<a href="#">Link</a>

**Open Educational Resources  
For  
Science and Math**

[Biology](#)

[Chemistry](#)

[Physics](#)

[Math](#)

## Biology

Subject	Authoring Institution	Link to OER
Learning Materials	Galileo Open Learning Materials	<a href="#">Link</a>
	HHMI BioInteractive	<a href="#">Link</a>
	OER Commons - Life Science	<a href="#">Link</a>
	OpenLearn	<a href="#">Link</a>
	Cuny Academic Works	<a href="#">Link</a>
eBooks	LibreTexts	<a href="#">Link</a>
	BCcampus OpenEd	<a href="#">Link</a>
	Directory of Open Access Books (DOAB)	<a href="#">Link</a>
	NCBI Bookshelf	<a href="#">Link</a>
	Open Textbook Library	<a href="#">Link</a>
	OpenStax (Rice University)	<a href="#">Link</a>
	ivypanda	<a href="#">Link</a>
	textbooksfree.org	<a href="#">Link</a>
	Khan Academy	<a href="#">Link</a>
	MIT OpenCourseWare Online Textbooks	<a href="#">Link</a>
	Textbook Revolution	<a href="#">Link</a>
Courses	MIT OpenCourseWare	<a href="#">Link</a>
	Open Course Library	<a href="#">Link</a>
	Lumen Learning	<a href="#">Link</a>
	Ibiology Courses	<a href="#">Link</a>
	Teaching Commons	<a href="#">Link</a>
	Open Yale Course	<a href="#">Link</a>
Media (Images/ Videos/Simulations)	Berkshire Community College Bioscience Image Library	<a href="#">Link</a>
	Cell Image Library	<a href="#">Link</a>
	Phet Interactive Simulations	<a href="#">Link</a>
	Public Health Image Library	<a href="#">Link</a>
	Wikimedia (Commons)	<a href="#">Link</a>
	ibiology	<a href="#">Link</a>

# Chemistry

Subject	Authoring Institution	Link to OER
Learning Materials	Galileo Open Learning Materials	<a href="#">Link</a>
	MERLOT - Chemistry	<a href="#">Link</a>
	OER Commons - Chemistry	<a href="#">Link</a>
	OpenLearn	<a href="#">Link</a>
	Cuny Academic Works	<a href="#">Link</a>
	BRENDA Enzyme Database	<a href="#">Link</a>
	ChemBank	<a href="#">Link</a>
	Chemrxiv	<a href="#">Link</a>
	ChemSpider	<a href="#">Link</a>
	Commonchemistry	<a href="#">Link</a>
	PubChem	<a href="#">Link</a>
eBooks	LibreTexts	<a href="#">Link</a>
	BCcampus OpenEd	<a href="#">Link</a>
	Directory of Open Access Books (DOAB)	<a href="#">Link</a>
	NCBI Bookshelf	<a href="#">Link</a>
	Openstax	<a href="#">Link</a>
	Open Textbook Library	<a href="#">Link</a>
	ivypanda	<a href="#">Link</a>
	textbooksfree.org	<a href="#">Link</a>
	InTechOpen	<a href="#">Link</a>
	The National Academies Press (NAP)	<a href="#">Link</a>
	MIT OpenCourseWare Online Textbooks	<a href="#">Link</a>
Courses	Textbook Revolution	<a href="#">Link</a>
	MIT OpenCourseWare	<a href="#">Link</a>
	Open Course Library	<a href="#">Link</a>
	Lumen Learning	<a href="#">Link</a>
	Teaching Commons	<a href="#">Link</a>
	OER Commons - STEM Learning Resources	<a href="#">Link</a>
Media (Images/ Videos/Simulations)	Khan Academy	<a href="#">Link</a>
	Phet Interactive Simulations	<a href="#">Link</a>

# Physics

Subject	Authoring Institution	Link to OER
Learning Materials	Galileo Open Learning Materials	<a href="#">Link</a>

	MERLOT - Physics	<a href="#">Link</a>
	OER Commons - Physics	<a href="#">Link</a>
	OpenLearn	<a href="#">Link</a>
	Cuny Academic Works	<a href="#">Link</a>
	Open Source Physics	<a href="#">Link</a>
	Physics Classroom	<a href="#">Link</a>
	UCLA Physics & Astronomy Resource Lab	<a href="#">Link</a>
	Yale Physics I & Physics II Lectures	<a href="#">Link</a>
eBooks	LibreTexts	<a href="#">Link</a>
	BCcampus OpenEd	<a href="#">Link</a>
	Directory of Open Access Books (DOAB)	<a href="#">Link</a>
	Openstax	<a href="#">Link</a>
	Open Textbook Library	<a href="#">Link</a>
	ivypanda	<a href="#">Link</a>
	InTechOpen	<a href="#">Link</a>
	The National Academies Press (NAP)	<a href="#">Link</a>
	MIT OpenCourseWare Online Textbooks	<a href="#">Link</a>
	Textbook Revolution	<a href="#">Link</a>
Courses	MIT OpenCourseWare	<a href="#">Link</a>
	Open Course Library	<a href="#">Link</a>
	Lumen Learning	<a href="#">Link</a>
	Teaching Commons	<a href="#">Link</a>
	OER Commons - STEM Learning Resources	<a href="#">Link</a>
	Khan Academy	<a href="#">Link</a>
	Open Yale Course	<a href="#">Link</a>
Media (Images/ Videos/Simulations)	Phet Interactive Simulations	<a href="#">Link</a>
	Physclips	<a href="#">Link</a>

## Math

Subject	Authoring Institution	Link to OER
Learning Materials	Galileo Open Learning Materials	<a href="#">Link</a>
	MERLOT - Math	<a href="#">Link</a>
	OER Commons - Math	<a href="#">Link</a>
	OpenLearn	<a href="#">Link</a>
	Cuny Academic Works	<a href="#">Link</a>
	Mathematics Commons	<a href="#">Link</a>
	Statistics & Probability Commons	<a href="#">Link</a>
eBooks	LibreTexts	<a href="#">Link</a>

	American Institute of Mathematics Open Textbook Initiative	<a href="#">Link</a>
	MIT OpenCourseWare Online Textbooks - Mathematics	<a href="#">Link</a>
	BCcampus OpenEd - Calculus	<a href="#">Link</a>
	BCcampus OpenEd - Algebra	<a href="#">Link</a>
	BCcampus OpenEd - Statistics	<a href="#">Link</a>
	Directory of Open Access Books (DOAB)	<a href="#">Link</a>
	Openstax	<a href="#">Link</a>
	Open Textbook Library	<a href="#">Link</a>
	USF Scholar Commons Open Access Textbooks - Mathematics	<a href="#">Link</a>
	ivypanda	<a href="#">Link</a>
	InTechOpen	<a href="#">Link</a>
	The National Academies Press (NAP)	<a href="#">Link</a>
	OER Commons - STEM Learning Resources	<a href="#">Link</a>
	Textbook Revolution	<a href="#">Link</a>
Courses	MIT OpenCourseWare	<a href="#">Link</a>
	Open Course Library	<a href="#">Link</a>
	Lumen Learning	<a href="#">Link</a>
	Teaching Commons	<a href="#">Link</a>
	OER Commons - STEM Learning Resources	<a href="#">Link</a>
	Khan Academy	<a href="#">Link</a>
	Coursera - Math & Logic	<a href="#">Link</a>
	Coursera - Probability & Statistics	<a href="#">Link</a>
	EDX - Math	<a href="#">Link</a>
	Harvard University Online Courses on edX - Mathematics	<a href="#">Link</a>
	MITx Courses on edX	<a href="#">Link</a>
Open Yale Course	<a href="#">Link</a>	
Media (Images/ Videos/simulations)	Phet Interactive Simulations	<a href="#">Link</a>
	MathsCasts	<a href="#">Link</a>
	StatsCasts	<a href="#">Link</a>
	GeoGebra Graphing	<a href="#">Link</a>

**Open Educational Resources  
For**



# HASS Cluster

[Economics](#)

[Sociology](#)

[Political Science](#)

[Psychology](#)

[Arts & Humanities](#)

## ARTS & HUMANITIES

Subject	Authoring Institution	Link to OER
Learning Materials	Open.edu	<a href="#">Link</a>
	Galileo Open Learning Materials	<a href="#">Link</a>
eBooks	Wikibooks - Fine Arts	<a href="#">Link</a>
	LibreTexts	<a href="#">Link</a>
	Cuny Academic	<a href="#">Link</a>
	OER Commons - Arts & Humanities	<a href="#">Link</a>
	BCcampus OpenEd	<a href="#">Link</a>
	Directory of Open Access Books (DOAB)	<a href="#">Link</a>
	Open Textbook Library	<a href="#">Link</a>
	textbooksfree.org	<a href="#">Link</a>
	Khan Academy	<a href="#">Link</a>
	MERLOT	<a href="#">Link</a>
	Galileo Open Learning Materials	<a href="#">Link</a>
	OpenCulture	<a href="#">Link</a>
Courses	MIT OpenCourseWare	<a href="#">Link</a>
	Teaching Commons	<a href="#">Link</a>
	Open Course Library	<a href="#">Link</a>
	WISC Online	<a href="#">Link</a>
	The Orange Grove	<a href="#">Link</a>
	Saylor	<a href="#">Link</a>
	Galileo Open Learning Materials	<a href="#">Link</a>
	Academic Earth	<a href="#">Link</a>
	Lumen Learning	<a href="#">Link</a>
	Boundless	<a href="#">Link</a>
	Open Yale Course	<a href="#">Link</a>

## ECONOMICS

Subject	Authoring Institution	Link to OER
Learning Materials	Utah State University	<a href="#">Link</a>
	Galileo Open Learning Materials	<a href="#">Link</a>
eBooks	Wikibooks - Economics	<a href="#">Link</a>
	LibreTexts	<a href="#">Link</a>
	Cuny Academic	<a href="#">Link</a>
	OER Commons - Economics	<a href="#">Link</a>

	BCcampus OpenEd	<a href="#">Link</a>
	Directory of Open Access Books (DOAB)	<a href="#">Link</a>
	Open Textbook Library	<a href="#">Link</a>
	textbooksfree.org	<a href="#">Link</a>
	Khan Academy	<a href="#">Link</a>
	OpenStax	<a href="#">Link</a>
	Galileo Open Learning Materials	<a href="#">Link</a>
	OpenCulture	<a href="#">Link</a>
Courses	MIT OpenCourseWare	<a href="#">Link</a>
	Teaching Commons	<a href="#">Link</a>
	Saylor Academy	<a href="#">Link</a>
	Academic Earth	<a href="#">Link</a>
	Lumen Learning	<a href="#">Link</a>
	State University of New York	<a href="#">Link</a>
	WISC Online	<a href="#">Link</a>
	The Orange Grove	<a href="#">Link</a>
	Galileo Open Learning Materials	<a href="#">Link</a>
	Open Yale Course	<a href="#">Link</a>

## SOCIOLOGY

Subject	Authoring Institution	Link to OER
Learning Materials	Galileo Open Learning Materials	<a href="#">Link</a>
eBooks	Wikibooks - Sociology	<a href="#">Link</a>
	LibreTexts	<a href="#">Link</a>
	Cuny Academic	<a href="#">Link</a>
	OER Commons - Sociology	<a href="#">Link</a>
	BCcampus OpenEd	<a href="#">Link</a>
	Directory of Open Access Books (DOAB)	<a href="#">Link</a>
	Open Textbook Library	<a href="#">Link</a>
	textbooksfree.org	<a href="#">Link</a>
	The National Academies Press (NAP)	<a href="#">Link</a>
	MERLOT	<a href="#">Link</a>
	Galileo Open Learning Materials	<a href="#">Link</a>
	OpenStax	<a href="#">Link</a>
	OpenCulture	<a href="#">Link</a>
Courses	MIT OpenCourseWare	<a href="#">Link</a>
	Teaching Commons	<a href="#">Link</a>
	Saylor	<a href="#">Link</a>
	Galileo Open Learning Materials	<a href="#">Link</a>
	Boundless	<a href="#">Link</a>

	University of California, Irvine	<a href="#">Link</a>
	WISC Online	<a href="#">Link</a>
	The Orange Grove	<a href="#">Link</a>
	Academic Earth	<a href="#">Link</a>
	State University of New York	<a href="#">Link</a>
	Lumen Learning	<a href="#">Link</a>
	Open Yale Course	<a href="#">Link</a>

## PSYCHOLOGY

Subject	Authoring Institution	Link to OER
Learning Materials	Galileo Open Learning Materials	<a href="#">Link</a>
eBooks	Wikibooks - Psychology	<a href="#">Link</a>
	LibreTexts	<a href="#">Link</a>
	Cuny Academic	<a href="#">Link</a>
	OER Commons - Psychology	<a href="#">Link</a>
	BCcampus OpenEd	<a href="#">Link</a>
	Directory of Open Access Books (DOAB)	<a href="#">Link</a>
	Open Textbook Library	<a href="#">Link</a>
	textbooksfree.org	<a href="#">Link</a>
	MERLOT	<a href="#">Link</a>
	Galileo Open Learning Materials	<a href="#">Link</a>
	OpenStax	<a href="#">Link</a>
	OpenCulture	<a href="#">Link</a>
	Courses	MIT OpenCourseWare
Teaching Commons		<a href="#">Link</a>
Saylor		<a href="#">Link</a>
Lumen Learning		<a href="#">Link</a>
WISC Online		<a href="#">Link</a>
The Orange Grove		<a href="#">Link</a>
State University of New York		<a href="#">Link</a>
Academic Earth		<a href="#">Link</a>
Galileo Open Learning Materials		<a href="#">Link</a>
Boundless		<a href="#">Link</a>

## POLITICAL SCIENCE

Subject	Authoring Institution	Link to OER
Learning Materials	Galileo Open Learning Materials	<a href="#">Link</a>
eBooks	Wikibooks - Political Science	<a href="#">Link</a>
	LibreTexts	<a href="#">Link</a>

	Cuny Academic	<a href="#">Link</a>
	OER Commons - Political Science	<a href="#">Link</a>
	BCcampus OpenEd	<a href="#">Link</a>
	Directory of Open Access Books (DOAB)	<a href="#">Link</a>
	MERLOT	<a href="#">Link</a>
	Galileo Open Learning Materials	<a href="#">Link</a>
	OpenCulture	<a href="#">Link</a>
Courses	MIT OpenCourseWare	<a href="#">Link</a>
	Saylor	<a href="#">Link</a>
	Galileo Open Learning Materials	<a href="#">Link</a>
	Boundless	<a href="#">Link</a>
	University of California, Irvine	<a href="#">Link</a>
	WISC Online	<a href="#">Link</a>
	The Orange Grove	<a href="#">Link</a>
	Lumen Learning	<a href="#">Link</a>
	State University of New York	<a href="#">Link</a>
	Open Yale Course	<a href="#">Link</a>

## Open Educational Resources Search Engine

Subject	Authoring Institution	Link to OER
OER Search Engine	Open Education Consortium Search	<a href="#">Link</a>
	Semantic Course Search (Serendipity)	<a href="#">Link</a>
	The Mason OER Metafinder (MOM)	<a href="#">Link</a>