

RACHEL PI DIGITAL LEARNING MATERIALS



KA Lite Essentials

KA-Lite Essentials includes thousands of videos and exercises on math, science, and more - an incredible learning resource brought to you by the Khan Academy and The Foundation for Learning Equality.

You can create an account to track your progress. When you return, you can login and view your progress.

Math	Precalculus	Cosmology and astronomy
Early Math	Differential calculus	Health and medicine
Arithmetic	Integral calculus	Electrical engineering
Pre-algebra	Multivariable calculus	Economics and finance
Algebra basics	Differential equations	Microeconomics
Algebra I	Math for fun and glory	Macroeconomics
Basic Geometry	Science	Finance and capital markets
Geometry	Biology	Entrepreneurship
Algebra II	Physics	Computing
Trigonometry	Chemistry	<u>Computer programming</u>
Probability and statistics	Organic Chemistry	Computer science



Wikipedia for Schools

This curated selection of articles from Wikipedia can be used offline by school children around the world. 6000 articles, 26 million words and 50,000 images make Wikipedia for Schools bigger than Harry Potter, the Lord of the Rings and the Chronicles of Narnia put together!

Art	Geography	People
Business Studies	History	Portals
Citizenship	IT	Religion
Countries	Language and Literature	Science
Design and Technology	Mathematics	
Everyday life	Music	



Interactive World Map

Browse the world from the global to the local with this interactive and searchable world map from OpenStreetMaps and the XSCE project.



GCF LearnFree.org

Hundreds of high-quality illustrated articles and videos focusing on technology, job training, reading, and math skills, produced by the Goodwill Community Foundation.

Career Planning	Math Basics	Online Safety
Computers	Money	Photos and Graphics
Devices	Office 2000	Reading
Digital Lifestyle	Office 2003	Social Media
Email Basics	Office 2007	Using the Cloud
Everyday Life	Office 2010	Windows
Internet Basics	Office 2013	Workplace Skills
Job Development	Office XP	
Mac OS Basics	OpenOffice	

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File Share

You can share files with other users by uploading them here

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Windows Applications

Parts of RACHEL require an up-to-date web browser. The Firefox link below will install a compatible web browser on Windows devices. You can download these applications to a Windows-based PC by right clicking on the application name below:

[Mozilla Firefox](#)
[OpenOffice Suite](#)
[VLC Video Player](#)
[Putty SSH](#)



Wikivoyage

Worldwide travel guide with a wealth of information on destinations around the world. Make geography come alive! This module is provided by Kiwix.

a multilingual free
encyclopedia
Wiktionary
[ˈwɪkʃənəri] n.,
a wiki-based Open
Content dictionary
WIKITEX: Portal board

Wiktionary

Wiktionary is a collaborative project to produce a free-content multilingual dictionary. It aims to describe all words of all languages using definitions and descriptions in English.



CK-12 Textbooks

High quality textbooks on STEM (Science, Technology, Engineering and Math) from ck12.org. Books marked with ** have a teacher's edition available [here](#).

Math (by Subject)

[Algebra**](#)
[Geometry**](#)
[Trigonometry**](#)
[Calculus**](#)

Math (by Age)

[Grade 6 \(age 11-12\) - U.S.](#)
[Grade 7 \(age 12-13\) - U.S.](#)
[Grade 8 \(age 13-14\) - U.S.](#)

Science (by Subject)

[Biology** \(Exercises\) \(Tests\)](#)
[Physics** \(Exercises\) \(Tests\)](#)
[Chemistry** \(Exercises\) \(Tests\)](#)
[Astronomy](#)
[Discoveries and Projects](#)

Science (by Age)

[Earth Sciences 1** \(age 11-14\) - U.S. \(Exercises\) \(Tests\)](#)

[Earth Sciences 2** \(age 14-18\) - U.S. \(Exercises\) \(Tests\)](#)

[Physical Sciences** \(age 11-14\) - U.S. \(Exercises\) \(Tests\)](#)

Engineering

[Engineering](#)

Humanities

[U.S. History](#)

[Spelling**](#)

Standardized Tests

[U.S. SAT1 \(College Entrance Exam\)](#)

[U.S. SAT2 \(College Entrance Exam\)](#)

[U.S. SAT3 \(College Entrance Exam\)](#)

RACHEL PI DIGITAL LEARNING MATERIALS



Great Books of the World

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A searchable, categorized selection of over 400 of the most beloved and respected books from around the world, collected from Project Gutenberg.

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[Top 100 Non-Fiction](#)

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[Biographies \(24 titles\)](#)

[Children's Stories \(23 titles\)](#)

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[Drama \(35 titles\)](#)

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[Poetry \(41 titles\)](#)

[Romance \(35 titles\)](#)

[Science Fiction \(27 titles\)](#)

[Short Stories \(25 titles\)](#)



African Storybook Project

These enjoyable, illustrated stories will assist young children as they learn to read. Gathered from African communities, they include characters and topics more familiar and relevant to children there.

[First Words](#)

[First Sentences](#)

[First Paragraphs](#)

[Longer Paragraphs](#)

[Read Aloud](#)



Infonet-Biovision

 Search

Well organized and illustrated information on a wide range of agricultural, environmental, and health topics.

The Organic Farmer - Magazine

Over 80 printable magazines on farming from Kenya. Used by over 60,000 farmers for guidance and

Plant

[Crops, fruits, vegetables and grains](#)

[Pests and diseases](#)

[Medicinal plants](#)

[Fruit and vegetable processing](#)

[Natural pest control](#)

[Cultural control practices](#)

Human

[Healthy food](#)

[Nutrition related diseases](#)

[Insect transmitted diseases](#)

[Zoonotic diseases](#)

[Hygiene and sanitation](#)

Animals

[Animal husbandry and welfare](#)

[Livestock species and commercial insects](#)

[Livestock health and diseases](#)

[Fodder production](#)

[Products](#)

Environment

[Agro-ecological zones](#)

[Water management](#)

[Soil management](#)

[Sustainable and organic agriculture](#)

[Conservation agriculture](#)

[Trees](#)

[Processing and value addition](#)

practical tips on securing and increasing their harvests through simple, environmentally friendly means.

RACHEL PI DIGITAL LEARNING MATERIALS



Practical Action

Well organized and illustrated information on a wide range of agricultural, environmental, and health topics.

Agriculture
Construction
Crop processing
Disaster response, mitigation and rebuilding
Energy
Environment and adaptation to climate change
Fisheries
Food processing

Information, communication, learning
Livestock
Manufacturing, handicraft, process industries
Natural resources management
Social and economic development
Transport and infrastructure
Waste management
Water and sanitation



MedlinePlus Medical Encyclopedia

More than 4,000 cross-referenced medical articles from the U.S. National Library of Medicine and the National Institutes of Health. Includes comprehensive illustrations and photographs.

A-Ag	Ah-Ap	Aq-Az	B-Bk	Bl-Bz	C-Cg	Ch-Co
Cp-Cz	D-Di	Dj-Dz	E-Ep	Eq-Ez	F	G
H-Hf	Hg-Hz	I-In	Io-Iz	J	K	L-Ln
Lo-Lz	M-Mf	Mg-Mz	N	O	P-Pl	Pm-Pz
Q	R	S-Sh	Si-Sp	Sq-Sz	T-Tn	To-Tz
U	V	W	X	Y	Z	0-9

These materials do not provide medical advice and are for informational purposes only. This content is not intended to be a substitute for professional medical advice, diagnosis or treatment. Always seek the advice of a qualified health provider with any questions you may have regarding a medical condition. Never disregard professional medical advice or delay in seeking it because of something you have read here.



Hesperian Health Guides

Easy to understand, practical, accurate, and heavily illustrated guides on health topics that for remote areas where access to medical personnel and facilities is limited.

These materials do not provide medical advice and are for informational purposes only. This content is not intended to be a substitute for professional medical advice, diagnosis or treatment. Always

Where There Is No Doctor. A village health care handbook. (Printable PDF)
Where There Is No Dentist (Printable PDF)
Where Women Have No Doctor (Printable PDF)
Disabled Village Children (Printable PDF)
Women with Disabilities - A Health Handbook (Printable PDF)
A Book for Midwives: Care for pregnancy and birth (Printable PDF)
Helping Children Who Are Deaf (Printable PDF)
Helping Children Who Are Blind (Printable PDF)
Cholera Prevention Fact Sheet (Printable PDF)
Sanitation and Cleanliness for a Healthy Environment (Printable PDF)
Water for Life - Community water security (Printable PDF)
A Community Guide to Environmental Health (Printable PDF)
Helping Health Workers Learn (Printable PDF)

seeking it because of something you have read here.

seek the advice of a qualified health provider with any questions you may have regarding a medical condition. Never disregard professional medical advice or delay in



Music Theory

Comprehensive music theory lessons and exercises to begin your journey into the realm of music.