



معهد التكنولوجيا التطبيقية
INSTITUTE OF APPLIED TECHNOLOGY
Emiratization of Technological Careers



Learning Resource Centres

Newsletter - Electronic Resources
January 2016



Introduction

Resources available in the LRCs

The following pages provide information on the electronic resources that are available online or through the LRCs.

All of the resources listed below are available to students and teachers in all campuses; many are also accessible off campus.

Please contact your campus Librarian for assistance and/or training on any of the resources listed below.

Learning Resource Centres (LRCs)

Sierra Library Catalogue

<https://sierra-actvet.ankabut.ac.ae/>

- The automated library catalogue contains records for print and ebooks across campuses. Sharing resources is encouraged across campuses and users can request items from anywhere in the system. For further details please contact your campus librarian.



Sierra / Encore Library Catalogue

<http://elibrary-actvet.ankabut.ac.ae/iii/encore/?!lang=eng>

- Encore is aimed at the more advanced user who may want to conduct in-depth research. Search results include print, eBooks and articles.
- **CatalogPlus** – searches and retrieves print, ebooks and article listings pertaining to the search query.
- **Catalog** - searches and retrieves print and electronic resource listings pertaining to the search query.
- **Articles** – searches and retrieves articles only, pertaining to the search query



<https://sierra-actvet.ankabut.ac.ae/>

Learning Resource Centres (LRCs)

English Language Learner

<http://search.ebscohost.com/login.aspx?authtype=uid>

English Language Learner is a database for second language learners and is aimed at middle and high school students; it contains customised articles and practice quizzes covering a wide range of subject areas including, but not limited to, science, math and life skills.

Features include:

- “Read out loud” text-to-speech tool enables students to highlight and listen to text.
- Translation from English to Arabic
- ELL Reading levels
- Images
- Comprehension tests
- Step by step research guides
- Links to related articles leading students to further content to help increase topic comprehension.

The screenshot displays the ELL Reference Center interface. On the left, a vertical menu titled "Select a category to start" lists various subjects: History, Civics & Culture; Life Skills; Literature; and Science. The "Science" category is selected. To the right, a "Science" menu lists sub-categories: Astronomy and Space Sciences; Earth and Environmental Sciences; Life Science; Physical Science; Scientists; and Technology. The main content area shows an article titled "Chemistry" with a "Listen" button and "American Accent" settings. The article text discusses matter, atoms, and chemists. Below the text is a diagram of an atom with labels for "electrons", "NUCLEUS", and "protons, neutrons". A sidebar on the right contains "Related Information" and "Test Answers" sections.

Learning Resource Centres (LRCs)

Science Reference Centre

Science Reference Centre provides access to full-text, science oriented content including encyclopedias, reference books, periodicals and other reliable sources.

The database contains:

- 270,000 images from a number of sources
- 200 full-text science periodicals
- 800 full-text science reference books
- More than one dozen full-text science encyclopedias
- More than 500 science videos
- Dozens of science animations
- 2,900 full-text biographies

Subjects include but are not limited to:

- Biology
- Chemistry
- Physics
- Math
- Earth & Space Science
- Environmental Science
- Health & Medicine

The screenshot shows the Science Reference Centre website interface. At the top right, there is a navigation bar with a 'Listen' button, a play button, and a dropdown menu for 'American Accent'. Below this is a 'Browse by Category' section with a list of categories: Applied Sciences, Earth Sciences, Life Sciences, Physical Sciences, Scientists, and Space Sciences and Astronomy. Each category has a corresponding image. To the right of the categories is a list of sub-topics under the heading 'Applied Sciences', including Agricultural Science, Computer Applications & Programming, Computer Hardware & Peripherals, Forensics, Mathematics, Measurement of Time, Measurement of Units, Metric System, Military Sciences, Pharmacology & Toxicology, Probability & Prediction, Problem Solving & Strategies, Science & Society, Scientific Knowledge, and Technology. On the far right, there is a 'Reference Shelf' section with links to Dictionary, Science Experiments, Citation Help, Research Guide, and Curriculum Standards. Below that is a 'Featured Science Topic' section for 'Drones', featuring an image of a drone and a text box explaining that an unmanned aerial vehicle (UAV), commonly known as a drone, is also referred to as an unpowered aerial vehicle and a remotely piloted aircraft (RPA) by the International Civil Aviation Organization (ICAO), and is an aircraft without a human pilot aboard. A 'Click Here' button is located at the bottom of the drone section.

<http://search.ebscohost.com/login.aspx?authtype=ui>

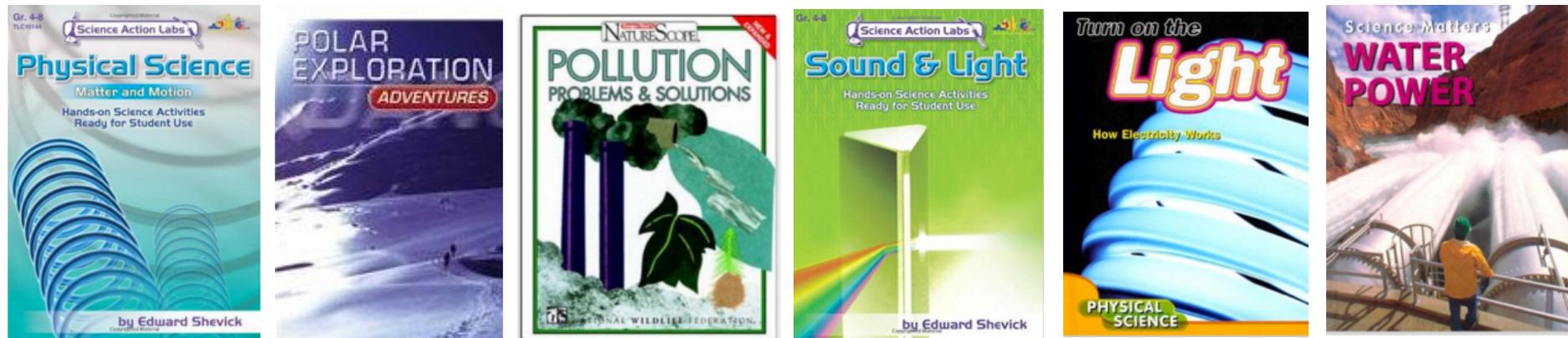
Learning Resource Centres (LRCs)

Science Reference Centre (SRC) continued...

A selection of full-text science periodicals available through Science Reference Centre:



A selection of eBooks available through SRC:

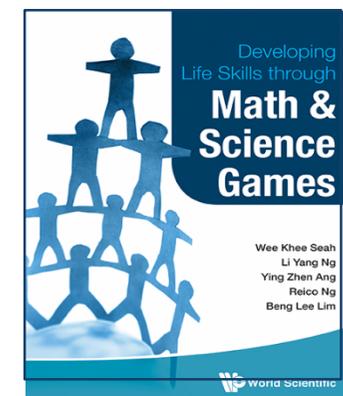
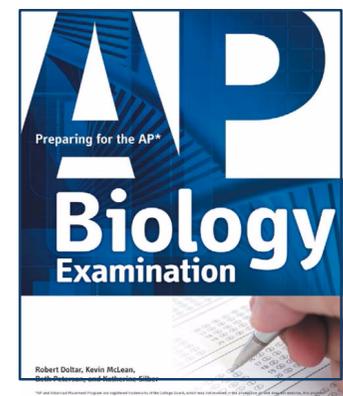
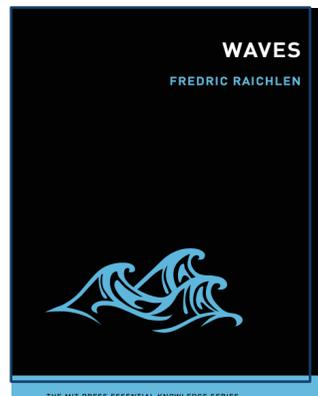
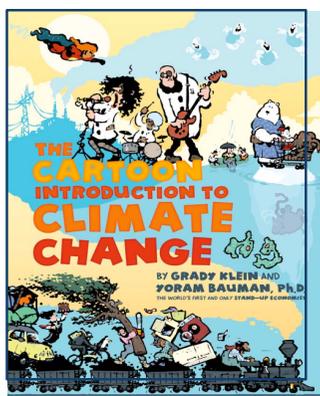
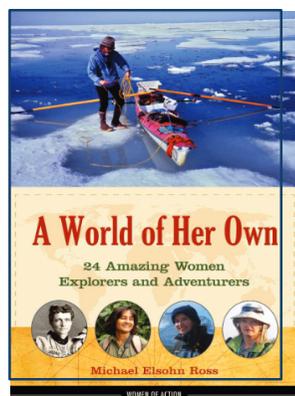
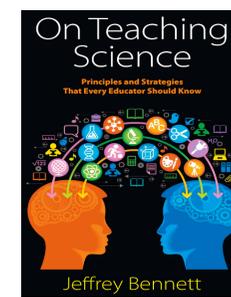
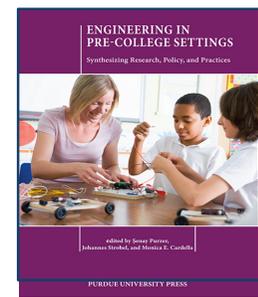
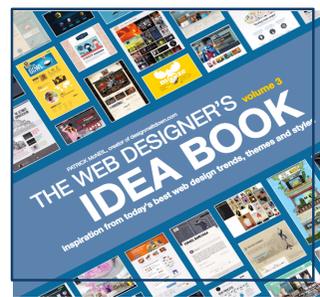
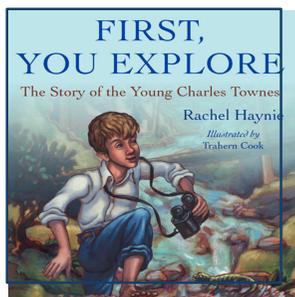


Learning Resource Centres (LRCs)

EBSCO eBooks selection

The EBSCO ebook collection offers nonfiction and fiction titles covering a wide variety of topics for young people. The non-fiction, full-text, searchable collection includes topics covering science and technology, adventure, sports, health, life skills, biographies and other interesting topics.

Fiction titles include a variety of contemporary and classical fiction and literary works of interest to young readers.

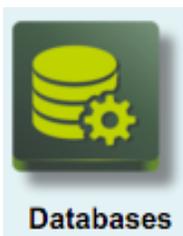


Learning Resource Centres (LRCs)

EBSCO Databases – How to Access



1. Click on the LRC Resources icon in IAT PLATO



2. Click on the Databases icon



3. Click on the EBSCO Host icon

4. LOGIN

User ID	<input type="text"/>
Password	<input type="password"/>
	<input type="button" value="Login"/>

Select your database of choice



English Language Learner



Science Reference Center



eBook High School

<http://search.ebscohost.com/login.aspx?authtype=uid>

Learning Resource Centres (LRCs)

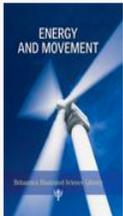
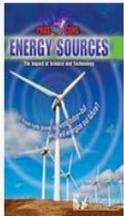
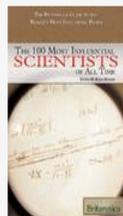
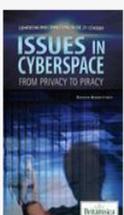
Electronic Resources Britannica eBooks selection

The Britannica collection of eBook titles has been acquired through perpetual access.

This selection of eBooks, which has more than 100 titles at the moment will expand as new titles become available.

Collections include:

- Middle School STEM Collection
- High School STEM Collection
- Pathways: Science Exploration collection
- Applied Sciences Collection
- Applied Technology

 <p>Energy and Movement</p> <p>By Sol 90</p> <p>Format : eBook</p> <p>Read Online Read Offline</p>	 <p>Energy Sources</p> <p>By Bowden , Rob</p> <p>Format : eBook</p> <p>Read Online Read Offline</p>	 <p>Technology and Inventions</p> <p>By Encyclopaedia Britannica , Inc</p> <p>Format : eBook</p> <p>Read Online Read Offline</p>
 <p>Hurricane!</p> <p>By Rooney , Anne</p> <p>Format : eBook</p> <p>Read Online Read Offline</p>	 <p>I Can Prove It! Investigating Science</p> <p>By Kelli Hicks</p> <p>Format : eBook</p> <p>Read Online Read Offline</p>	 <p>The 100 Most Influential Scientists of All Time</p> <p>By Encyclopaedia Britannica , Inc , Amy McKenna</p> <p>Format : eBook</p> <p>Read Online Read Offline</p>
 <p>Is Our Climate Changing?</p> <p>By Rooney , Anne</p> <p>Format : eBook</p> <p>Read Online Read Offline</p>	 <p>Issues in Cyberspace</p> <p>By Britannica Educational Publishing , Robert Curley</p> <p>Format : eBook</p> <p>Read Online Read Offline</p>	 <p>Who Split the Atom?</p> <p>By Claybourne , Anna</p> <p>Format : eBook</p> <p>Read Online Read Offline</p>

<http://eb.pdn.ipublishcentral.com/authenticate/login>

Learning Resource Centres (LRCs)

TWIG Educational Science Videos

The Twig Website provides teachers and students with school-wide access to thousands of three-minute videos for Science & Math, as well as worksheets, lesson plans, quizzes and diagrams.

Twig is matched to a number of standards including the Common Core Standards, Next Generation Science Standards and National STEM Standards.

TWIG can be used in a variety of ways for example, as an introduction to a new topic, to illustrate a topic as it is being taught, or as reinforcement or revision.

Students can also log-in to the Twig Website at home and watch videos in advance of a lesson.

Twig supports differentiated learning and encourages cross-curricular learning



- Adaptation and Evolution
- Animal Kingdom
- Being Human
- Cells and DNA
- Ecosystems
- Healthy Living
- Human Body
- Plants



- Earth's Resources
- Geology
- Human Impacts
- Weather



- Atoms and Bonding
- Chemical Industries
- Periodic Table
- Reactions



- Biology
- Chemistry
- Physics



- Accuracy and Proof
- Algebra
- History of Maths
- Measurement
- Number
- Shape
- Space
- Statistics and Probability

Learning Resource Centres (LRCs)

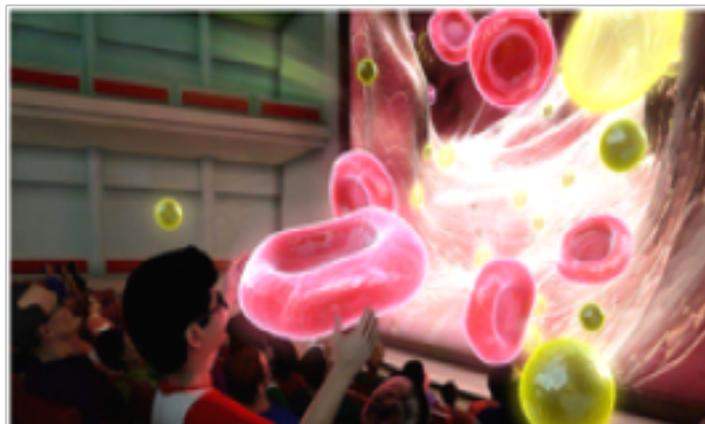
Eureka Educational Science Videos

Eureka software presents the concepts of Science and Math in 2D & 3D videos. Eureka videos assist the teacher in making abstract concepts clear to students.

The animated films and simulations provide a strong visual experience; teachers can use this interactive tool to bridge the gap in any lesson plan where the concept is challenging to deliver, it helps students visualise a particular concept and gives them the chance to interact with it.

Eureka content includes:

- 2000+ Learning Objects
- Mapped Curriculums
- 3D Animated Videos
- 3D Simulations
- 2D Animated videos & simulations



			
Videos	Text	2D Simulation	Quiz
			
3D Interactive	3D Simulation	Links	Images
			
Keyterms	Pre-requisite	Glossary	

For further information and assistance on how to access Eureka videos please speak with your librarian.