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SPAIN SCIENCE REA

1.- Proyecto Biosfera; *Biology and Geology*

<http://recursostic.educacion.es/ciencias/biosfera/web/profesor/unidades.htm>

This website is in Spanish but it's very complete because there are activities and very precise and summed up information. Contents are classified by their difficulty, from very easy to advanced.

2.- Interactive Sites for Education; *Biology, Chemistry and Geology*

<http://interactivesites.weebly.com/science.html>

It's in English. It contains interactive activities and PDFs with activities and explanations. Its level is relatively low.

3.- the Physics Classroom; *Physics*

<http://www.physicsclassroom.com/>

It's in English too and it contains multimedia, interactive activities, teacher toolkits and some tests, reviews and practice.

4.- Didactalia; *Chemistry, Physics, Biology and Geology*

<https://didactalia.net/comunidad/materialeducativo/recursos/>

This website is in Spanish and in English and it contains lots of videos and some explanations.

5.- ICell; *biology*

<http://icell.hudsonalpha.org/>

Web-based tool gives 3-D view inside a cell. The difficulty is medium.

It's in English.

6.- Sick Science; *Chemistry and Physic*

<https://www.youtube.com/user/SteveSpanglerScience>

This Youtube channel includes very interesting videos about science experiments. It's in English too.

7.- BioInteractive; *Biology and Geology*

<http://www.hhmi.org/biointeractive>

It's in English and it has videos, interactive activities, interesting information. Its difficulty is high.

8.- Utah Education Network; *Biology and Chemistry*

<http://www.uen.org/core/science/studentactivities/biology.shtml>

It's in English. Only interactive activities. Its difficulty is medium.

9.- PHET Interactive Simulations; *Biology, Chemistry, Physics, Maths*

<https://phet.colorado.edu/en/simulations/category/new>

It's in English. Only interactive activities and simulations. Its difficulty is high.

10.- Teacher Vision; *Geology*

https://www.teachervision.com/tv/browse.php?lowest_grade=112&highest_grade=112&term=240603000000&site=TV&tab=Grades&scn=312

It's in English. Mainly worksheets. Its difficulty is high.

11.- FisQuiWeb; *Physics, Chemistry*

<http://fisquiweb.es/>

It's in Spanish. It consists of comprehensive website with notes of physics and chemistry laboratories and working materials of various aspects of the subject. Help section includes teaching units, applications or questionnaires to practice what they have learned. Its difficulty is medium.

12.- Quimitris; *Chemistry*

<http://www.quimitris.com/>

It's in Spanish. Online game similar to Tetris to learn the periodic table. To review before playing, you can consult this interactive periodic table. Its difficulty is medium.

13.- Full Experiments; *Physics and Chemistry*

<http://www.fullexperimentos.com>

It's in Spanish. It's a website where practical experiments on scientific subjects at different levels of complexity are collected.

14. Química Web; *Chemistry*

<http://www.quimicaweb.net/>

It's a Spanish website dedicated to chemistry, in which tools, information, ICT resources, trivia, games or tests are collected. Its level of difficulty is easy.

ACHIM'S OER SCIENCE

www.e-learningforkids.org/science

> basically on an elementary school level, playful, not much text,
useful to introduce complex problems in a very simplified manner

www.sciencekids.co.nz/lessonplans/biology.html

www.kids.usa.gov.

www.scienceforkidsclub.com

> more advanced level, more and longer texts, interactive exercises,
basically in English

www.phet.colorado.edu

> many well-done simulations, one of the best platforms we have found

There are many platforms here in Germany. However, they are not of much use for our project as the language is almost entirely German.

BRITAIN OER

Science Open Educational Resources

- BBC Bitesize (<http://www.bbc.co.uk/education>):

Website by the BBC for Primary, Secondary and College students in the UK.

- Get Revising (<https://getrevising.co.uk/>):

Revision aid for students

- Quizlet (<https://quizlet.com/>):

Quiz-type revision aid with revision cards

- TED Talks (<http://www.ted.com/>)
Talks about technology, maths, science and other topics
- Science Museum Website (<http://sciencemuseum.org.uk/>)
Website made by the London science museum with games and courses
- STEM Website (<https://www.stem.org.uk/>):
Organization about Science, Technology, Engineering and Maths
- Minute Physics (<http://course.minutephysics.com/>):
Short videos about physics
- The Royal Institution Website (<http://www.rigb.org/>):
Education and talks by the London Royal Institution
- BBC focus magazine and website (<http://www.sciencefocus.com/>):
Science news magazine by the BBC
- New Scientist (<https://www.newscientist.com/>):
Current science magazine
- Youtube:
Science channels available
- Kerboodle (<https://www.kerboodle.com/users/login>):
Online textbooks and quizzes

ITALY SCIENCE OER

<https://phet.colorado.edu/it/>

<http://webgeology.alfaweb.no/>

<http://interactivesites.weebly.com/earth-day1.html>

<http://resources.woodlands-junior.kent.sch.uk/revision/science/>

<https://nsdl.oercommons.org/>

<http://www.uen.org/oer/>

<https://www.diigo.com/list/davidng2/science-oer>

<https://www.edutopia.org/open-educational-resources-guide>

<http://libguides.humboldt.edu/openedu/biol>

not only science http://www.openculture.com/free_k-12_educational_resources

POLAND SCIENCE OER

Edukacyjne źródła nauczania przedmiotów : biologii, chemii, fizyki.

OER- biology, chemistry, physics

www.scholaris.pl

www.epodręczniki.edu.pl

www.ore.edu.pl

www.nowaera.pl

www.ebooki.pl

www.youtube.pl

www.poznaj-swiat.pl

www.ibe.edu.pl

www.testwiedzy.pl

www.obluze.pl

www.legalnakultura.pl

www.chemia-gimnazjum.info

www.chemfa.pg.gda.pl

www.fizyka.vsz.pl

www.nauka.edu.pl

<https://www.biodigital.com/>

<http://www.krainanauki.pl/wirtualne-laboratorium>

http://e-doswiadczenia.mif.pg.gda.pl/e_doswiadczenia-pl

FINLAND SCIENCE OER

Science OER

- [HHMI – Howard Hughes Medical Institute](#)
- [Wellcome Education – Big Picture](#)
- [McGraw-Hill animations](#)
- <http://www.saps.org.uk/>
- <http://ib.bioninja.com.au/>
- www.dnai.org
- <http://www.periodicvideos.com/>
- <https://www.khanacademy.org/science/chemistry>
y
- <http://www.rsc.org/learn-chemistry>
- <http://www.thecatalyst.org/wwwchem.html>
- <https://phet.colorado.edu/en/simulations/category/chemistry>
- <http://www.chemguide.com.uk>
- <http://www.libretexts.org>
- <http://www.ibchemninja.com>
- <http://www.ibphysicsnotes.wordpress.com>
- <https://www.youtube.com/user/exportationality>
- <http://hyperphysics.phy-astr.gsu.edu/hbase/index.html>
- <http://www.fold.it/portal>

- <https://www.khanacademy.org/>

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