

Curso de Geología General

Los mejores Links

UNSA

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References: Earth Science Phd. Tarbuck & Lutgens

Chapter 1 Minerals: Building Blocks of Rocks

Gemstones found on Mars

<http://news.bbc.co.uk/2/hi/science/nature/3210951.stm>

Earth's diamond days are over

<http://news.bbc.co.uk/2/hi/science/nature/2246285.stm>

Scientists break emerald myths

<http://news.bbc.co.uk/2/hi/science/nature/622018.stm>

Gemrocks : Ornamental & Curio Stones

<http://www.cst.cmich.edu/users/dietr1rv/>

Woman Turns Husband's Remains Into Diamond

<http://www.local6.com/news/3693644/detail.html>

Radioactive gemstones are circulating in Asian markets

http://news.bbc.co.uk/2/hi/despatches/far_east/29832.stm

Modern alchemists make two new elements

<http://www.nature.com/physics/physics.taf?file=/physics/highlights/6974-2.html>

Russians create new heavy element

<http://news.bbc.co.uk/2/hi/science/nature/395320.stm>

Scientists find new Moon mineral

<http://news.bbc.co.uk/2/hi/science/nature/3659551.stm>

Tiny mineral test-tubes: the cradle of life?

<http://news.bbc.co.uk/2/hi/science/nature/239787.stm>

Chapter 2 Rocks: Materials of the Solid Earth

A single Antarctic rock reveals some of the major geological events of the past three billion years.

<http://news.bbc.co.uk/2/hi/science/nature/503255.stm>

Welsh slate secrets

<http://news.bbc.co.uk/2/hi/science/nature/2860521.stm>

Ancient oil points to 'cradle of life'

<http://news.bbc.co.uk/2/hi/science/nature/864777.stm>

Call to save vanishing limestone

<http://news.bbc.co.uk/2/hi/science/nature/329641.stm>

Early life thrived in lava flows

<http://news.bbc.co.uk/2/hi/science/nature/3648283.stm>

Moon rock's 'biography' revealed

<http://news.bbc.co.uk/2/hi/science/nature/3939369.stm>

Giant Cousins of 'Mars Blueberries' in Utah

http://www.space.com/scienceastronomy/utah_blueberries_040616.html

Geologist's clue to Bin Laden location

<http://news.bbc.co.uk/2/hi/science/nature/1608272.stm>

World's deepest rocks recovered

<http://news.bbc.co.uk/2/hi/science/nature/755631.stm>

Chapter 3 Weathering, Soil, and Mass Wasting

Tropical soil's secrets to be unearthed

<http://news.bbc.co.uk/2/hi/science/nature/2519369.stm>

Soil in one of the oldest and driest deserts in the world is a close match to the rocky red soil of Mars

<http://news.bbc.co.uk/2/hi/science/nature/3244927.stm>

Sea temperatures linked to 1930s US drought.

[Dust bowl caused by ocean highs and lows](#)

Clues to landslides

<http://news.bbc.co.uk/2/hi/science/nature/983216.stm>

Fossilized rain drops found in India

http://news.bbc.co.uk/2/hi/south_asia/1713001.stm

Chapter 4 Running Water and Groundwater

Quake unblocked distant geysers

<http://news.bbc.co.uk/2/hi/science/nature/3769921.stm>

Australia ponders a salty future

<http://news.bbc.co.uk/2/hi/science/nature/3564857.stm>

Lake beneath Antarctica's ice

<http://www.sfgate.com/cgi-bin/article.cgi?file=/c/a/2004/08/02/MNGMJ816F21.DTL>

Kazakhs 'to save north Aral Sea'

<http://news.bbc.co.uk/1/hi/sci/tech/3218961.stm>

Stalagmite has climate warning

<http://news.bbc.co.uk/2/hi/science/nature/1413024.stm>

Global warming and pollution could give us drier days – Less rain in a warmer world

<http://www.nature.com/nsu/040329/040329-10.html>

Chapter 5 Glaciers, Deserts, and Wind

Antarctica's ice sheet melting naturally

<http://news.bbc.co.uk/2/hi/science/nature/2624603.stm>

'Wireless pebbles' track glaciers

<http://news.bbc.co.uk/2/hi/technology/3777751.stm>

Photos show glacier's decline

<http://news.bbc.co.uk/2/hi/europe/2181463.stm>

Patagonian ice in rapid retreat

<http://news.bbc.co.uk/2/hi/science/nature/3662975.stm>

Glacial lake hides bacteria

<http://www.nature.com/news/2004/040712/full/040712-6.html>

Methane 'belch' theory gets boost

<http://news.bbc.co.uk/2/hi/science/nature/3775181.stm>

Does the idea that bursts of methane from deep-sea reservoirs jolted the planet out of Ice Age match the geologic record?

<http://news.bbc.co.uk/2/hi/science/nature/2940045.stm>

Galaxy 'may cause ice ages'

<http://news.bbc.co.uk/2/hi/science/nature/2163646.stm>

Meteorite is possible ice age culprit

<http://news.bbc.co.uk/2/hi/science/nature/233199.stm>

Did cracking continent trigger a deep freeze?

<http://www.nature.com/nsu/040315/040315-7.html>

'Snowball Earth' theory melted?

http://news.bbc.co.uk/2/hi/uk_news/scotland/1857545.stm

Western drought worst in 500 years

<http://www.cnn.com/2004/TECH/science/06/18/recorddrought.ap/index.html>

United Nations Convention to Combat Desertification
<http://www.unccd.int/main.php>

U.N. Says Globe Drying Up at Fast Pace
<http://apnews.myway.com/article/20040615/D83706T00.html>

Chapter 6 Earthquakes and Earth's Interior

Current Earthquakes
<http://earthquake.usgs.gov/>

Eye-witness Accounts of Several Major Earthquakes
<http://www.people.cornell.edu/pages/tg21/eyewit.html>

Remote triggering of deep earthquakes in the 2002 Tonga sequences
http://www.nature.com/cgi-taf/DynaPage.taf?file=/nature/journal/v424/n6951/abs/nature01903_fs.html

Analysing the 1811–1812 New Madrid earthquakes with recently recorded aftershocks
http://www.nature.com/cgi-taf/DynaPage.taf?file=/nature/journal/v429/n6989/abs/nature02557_fs.html

Concealed fault caused Bam Iran quake 2003
<http://news.bbc.co.uk/2/hi/science/nature/3809375.stm>

Stability of the body-centred-cubic phase of iron in the Earth's inner core
http://www.nature.com/cgi-taf/DynaPage.taf?file=/nature/journal/v424/n6952/abs/nature01954_fs.html

The Earth's iron core is actually much simpler than assumed.
<http://news.bbc.co.uk/2/hi/science/nature/3433661.stm>

Scientists have known for some time that the Earth's magnetic field is fading.
<http://news.bbc.co.uk/2/hi/science/nature/3359555.stm>

Solar wind should shield Earth during pole flip
http://www.newscientist.com/news/news.jsp?id=ns99994985&lpos=related_article2

Collapse of the Earth's Magnetic Field Accelerates
<http://www.nytimes.com/2004/07/13/science/13magn.html?ei=5006&en=b69c1088848a1e21&ex=1090382400&partner=ALTAVISTA1&pagewanted=print&position=>

Chapter 7 Plate Tectonics

A plume of hot volcanic mantle rock is rising beneath Africa, trying to split the continent apart.
<http://news.bbc.co.uk/2/hi/science/nature/1823019.stm>

Shifting core may have accelerated land movements – Ancient continents sent flying.
<http://www.nature.com/nsu/040517/040517-13.html>

New dino 'links major landmasses'
<http://news.bbc.co.uk/2/hi/science/nature/3770259.stm>

Chapter 8 Volcanoes and Other Igneous Activity

Volcanic eruptions in Iceland probably caused an unusual rise in deaths in England during the summer of 1783.
<http://news.bbc.co.uk/2/hi/science/nature/3745749.stm>

Iceland eruption set to continue
<http://news.bbc.co.uk/2/hi/europe/238306.stm>

Super-eruptions might not be as environmentally devastating as we thought – Volcanic impact not so chilling.
<http://www.nature.com/nsu/040112/040112-17.html>

Volcanic Eruptions dwarfed by man-made energy output.
<http://www.nature.com/nsu/040301/040301-1.html>

A volcanic island submerged for more than 170 years could soon reappear off the Sicilian coast.
<http://news.bbc.co.uk/2/hi/science/nature/2516655.stm>

A scientist uses long period earthquakes to predict when volcanoes will erupt.
<http://news.bbc.co.uk/2/hi/science/nature/3183047.stm>

The chances that asteroid impacts and huge bouts of volcanism coincide randomly to cause mass extinctions may be greater than previously imagined.
<http://news.bbc.co.uk/2/hi/science/nature/3582767.stm>

Chapter 9 Mountain Building

Chapter 10 Geologic Time

Geological time gets a new period
<http://news.bbc.co.uk/2/hi/science/nature/3721481.stm>

Ancient tree rings give climate clues
<http://news.bbc.co.uk/2/hi/science/nature/1247636.stm>

Tree rings challenge history
http://news.bbc.co.uk/2/hi/in_depth/sci_tech/2000/festival_of_science/916421.stm

Oldest worm trail discovered

<http://news.bbc.co.uk/2/hi/science/nature/1977935.stm>

Jellyfish turned to rock

<http://news.bbc.co.uk/2/hi/science/nature/1786505.stm>

Chapter 11 Earth's History : A Brief Summary

Ice cores unlock climate secrets

<http://news.bbc.co.uk/2/hi/science/nature/3792209.stm>

Thomas Gold says the world has an endless supply of oil and gas.

<http://www.washingtonpost.com/wp-srv/style/features/daily/heretic110199.htm>

<http://www.people.cornell.edu/pages/tg21/>

Moon might reveal First Life on Earth

<http://www.nature.com/nsu/021028/021028-13.html>

Mineral cells might have incubated first living things.

<http://www.nature.com/nsu/021202/021202-3.html>

Life reached land a billion years ago

<http://news.bbc.co.uk/2/hi/science/nature/2246831.stm>

Ediacaran fossil creatures are exquisite examples of the earliest complex life

<http://news.bbc.co.uk/2/hi/science/nature/3898605.stm>

How the Earth became a snowball

<http://abc.net.au/science/news/stories/s1068501.htm>

Ancient crustacean raises new questions

<http://news.bbc.co.uk/2/hi/science/nature/1441879.stm>

Sea change for first shells

<http://www.nature.com/nsu/040607/040607-1.html>

Core from asteroid crater fuels debate on what wiped out the dinosaurs.

<http://www.nature.com/nsu/030407/030407-7.html>

Giant meteorite impact 65 million years ago may not have set the world on fire.

<http://www.nature.com/nsu/031201/031201-3.html>

Rock from space might have hit life hard 380 million years ago.

<http://www.nature.com/nsu/030609/030609-12.html>

New evidence that the greatest extinction in the Earth's history was triggered by an asteroid.

<http://news.bbc.co.uk/2/hi/science/nature/3223708.stm>

Gamma rays 'caused extinction'

<http://www.smh.com.au/articles/2004/01/08/1073437385960.html>

Global cooling may have allowed complex animals to flourish –
Plants detonated Cambrian explosion.

<http://www.nature.com/nsu/030929/030929-4.html>

Chapter 12 The Ocean Floor

Methane belches may have catastrophic consequences – Boiling seas linked to mass extinction

<http://www.nature.com/nsu/030818/030818-16.html>

Row erupts over 'life-starter' vents

<http://news.bbc.co.uk/2/hi/science/nature/3220633.stm>

Early life thrived in lava flows

<http://news.bbc.co.uk/2/hi/science/nature/3648283.stm>

Primordial life ate rocks to survive – New Case for Oldest Life on Earth

http://www.space.com/scienceastronomy/lava_life_040422.html

Chapter 13 Ocean Water and Ocean Life

Hunt seeks unique Arctic sealife

<http://news.bbc.co.uk/2/hi/science/nature/3836305.stm>

Coral reveals ancient origins of human genes

<http://www.nature.com/nsu/031215/031215-2.html>

Dead zone may boost shark attacks

<http://news.bbc.co.uk/2/hi/science/nature/3534658.stm>

Iron soaks up carbon in Southern Ocean trial

<http://www.nature.com/nsu/040419/040419-7.html>

Fertilising the sea could combat global warming

<http://www.nature.com/nsu/040119/040119-17.html>

Ocean CO₂ may 'harm marine life'

<http://news.bbc.co.uk/2/hi/science/nature/3896425.stm>

<http://www.nature.com/news/2004/040712/full/040712-14.html>

Global biodiversity patterns of marine phytoplankton and zooplankton

http://www.nature.com/cgi-taf/DynaPage.taf?file=/nature/journal/v429/n6994/abs/nature02593_fs.html

Climate change affects deep sea life

<http://www.nature.com/news/2004/040719/full/040719-13.html>

Life in hyper-saline lake.

<http://news.bbc.co.uk/2/hi/science/nature/3725973.stm>

Ancient Oceans May have Been Half Dead

<http://www.vanaqua.org/aquanew/fullnews.php?id=225>

Chapter 14 The Dynamic Ocean

Theory accounts for land's fractal fringes – Coastline carve thyself

<http://www.nature.com/nsu/031124/031124-4.html>

Upwelling-driven nearshore hypoxia signals ecosystem and oceanographic changes in the northeast Pacific

http://www.nature.com/cgi-taf/DynaPage.taf?file=/nature/journal/v429/n6993/abs/nature02605_fs.html

Collapse and rapid resumption of Atlantic meridional circulation linked to deglacial climate changes

http://www.nature.com/cgi-taf/DynaPage.taf?file=/nature/journal/v428/n6985/abs/nature02494_fs.html

Interdecadal variation in the extent of South Pacific tropical waters during the Younger Dryas event

http://www.nature.com/cgi-taf/DynaPage.taf?file=/nature/journal/v428/n6986/abs/nature02506_fs.html

Rocks reveal ancient tides

<http://news.bbc.co.uk/2/hi/science/nature/956126.stm>

An ancient shoreline on Mars?

<http://news.bbc.co.uk/2/hi/science/nature/3563651.stm>

<http://news.bbc.co.uk/2/hi/science/nature/3560867.stm>

'Rogue waves' reported by mariners get scientific backing

http://news.yahoo.com/news?tmpl=story&cid=1540&u=/afp/science_sea&printer=1

Coastal Resources

<http://www.surfrider.org>

Chapter 15 The Atmosphere: Composition, Structure, and Temperature

We may be pushing the stratosphere away - Top of sky is receding.

<http://www.nature.com/nsu/030721/030721-10.html>

Oldest rocks contain oxygen clues

<http://news.bbc.co.uk/2/hi/science/nature/864344.stm>

Satellites pick up early signs that CFC ban is working.

<http://www.nature.com/nsu/030728/030728-5.html>

Ozone layer 'thinning over Europe'

<http://news.bbc.co.uk/2/hi/science/nature/656014.stm>

Stratospheric cloud is ozone-eater

<http://www.smh.com.au/articles/2003/08/21/1061434990718.html>

Scientists claim new evidence of warming

<http://www.guardian.co.uk/international/story/0,3604,1210617,00.html>

Chapter 16 Moisture, Clouds and Precipitation

Coriolis Force

<http://www.physics.ohio-state.edu/~dvandom/Edu/newcor.html>

Monster raindrops delight experts

<http://news.bbc.co.uk/2/hi/science/nature/3898305.stm>

Planet Earth dims then brightens

<http://news.bbc.co.uk/2/hi/science/nature/3756751.stm>

Car fumes tamper with cirrus cloud chemistry – Pollution hits high clouds.

<http://www.nature.com/nsu/040119/040119-12.html>

'Green' fuel diesel emits less carbon dioxide but could still boost pollution.

<http://www.nature.com/nsu/040202/040202-13.html>

Clouds Caused By Aircraft Exhaust May Warm The U.S. Climate

<http://www.sciencedaily.com/releases/2004/04/040428061056.htm>

Cosmic rays 'linked to clouds'

<http://news.bbc.co.uk/2/hi/science/nature/2333133.stm>

<http://news.bbc.co.uk/2/hi/science/nature/2173295.stm>

Chapter 17 Air Pressure and Wind

Model may give two-year warning of El Nino.

<http://www.nature.com/nsu/040412/040412-5.html>

Coral shows El Nino's rise

<http://news.bbc.co.uk/2/hi/science/nature/1136834.stm>

Haze - who starts the fires?

<http://news.bbc.co.uk/2/hi/world/analysis/126114.stm>

Chapter 18 Weather Patterns and Severe Storms

National Weather Service
www.nws.noaa.gov

Hurricane Alley
<http://www.hurricanealley.net/>

Hurricane Charley highlights prediction problems
<http://www.nature.com/news/2004/040816/full/040816-3.html>

Jacksonville Weather Hazards
<http://www.coj.net/Departments/Fire+and+Rescue/Emergency+Preparedness/Basic+Plan.htm>

Tropical Waves
<http://www.hurricanealley.net/trplwav.htm>

Astrophysicist strikes blow to lightning theory
<http://www.nature.com/nsu/031110/031110-19.html>

Lightning into the Upper Atmosphere - Red Sprites, Blue Jets and Elves
<http://www.sky-fire.tv/index.cgi/spritesbluejetselves.html>
<http://elf.gi.alaska.edu/>
<http://sprg.ssl.berkeley.edu/~cpbl/elves/>

Fresh data on sprites, jets and elves
<http://news.bbc.co.uk/2/hi/science/nature/3917137.stm>

Chapter 19 Climate

Earth warned on 'tipping points'
<http://news.bbc.co.uk/2/hi/science/nature/3597584.stm>

Huge studies analyze climate change's toll on plants and animals across globe.
<http://www.nature.com/nsu/030106/030106-1.html>

Large-scale climate indices predict ecological processes better than local weather
http://www.nature.com/cgi-taf/DynaPage.taf?file=/nature/journal/v430/n6995/abs/nature02708_fs.html

Is the Sun to blame for Global warming?
<http://www.telegraph.co.uk/news/main.jhtml?xml=/news/2004/07/18/wsun18.xml>

Global dimming' may stop the Earth overheating.
<http://www.nature.com/nsu/040517/040517-7.html>

Acid rain 'might curb warming'
<http://news.bbc.co.uk/2/hi/science/nature/3528990.stm>

Western Europe cuts greenhouse gases

<http://www.nature.com/news/2004/040712/full/040712-19.html>

Earth enters the big thaw?

<http://news.bbc.co.uk/2/hi/science/nature/669051.stm>

Greenhouse effect may save Greenland Ice Sheet. Molten ice could block Gulf Stream

<http://www.nature.com/nsu/030414/030414-2.html>

Arctic cores offer climate clues

<http://news.bbc.co.uk/2/hi/science/nature/3774051.stm>

Greenland cools as world warms

<http://news.bbc.co.uk/2/hi/science/nature/2840137.stm>

Greenland's warming ice flows faster

<http://news.bbc.co.uk/2/hi/science/nature/2030473.stm>

Greenland's ice cap under threat

<http://news.bbc.co.uk/2/hi/science/nature/3607335.stm>

Carbon stockpiles question idea that forests will counteract global warming – Old trees poor carbon sponges?

<http://www.nature.com/nsu/030721/030721-6.html>

Argon traces hint that carbon dioxide did not lead life out of the freezer, but followed.

<http://www.nature.com/nsu/030310/030310-12.html>

Controversial satellite data analysis fuels global warming debate. Lower atmosphere temperature may be rising.

<http://www.nature.com/nsu/030908/030908-17.html>

Alaska is warming up more than anywhere else on Earth

<http://www.nature.com/nsu/030929/030929-8.html>

Arctic clouds could make ozone depletion three times worse than predicted.

<http://www.nature.com/nsu/040301/040301-5.html>

Is recent climate change due to cosmic rays or human activities?

<http://news.bbc.co.uk/2/hi/science/nature/3419975.stm>

<http://www.newscientist.com/news/news.jsp?id=ns99996270&lpos=home3>

Global warming anomaly may succumb to microwave study.

<http://www.nature.com/nsu/040503/040503-5.html>

Ice age possible, say scientists

http://www.couriermail.news.com.au/common/story_page/0,5936,9496105%255E7642,00.html

Global Climate manipulation

<http://www.willthomas.net/Articles/Chemtrailstextbook.htm>

Chapter 20 Origin of Modern Astronomy

Oldest astronomical monument found

<http://news.bbc.co.uk/2/hi/science/nature/72595.stm>

Prehistoric Moon map unearthed

<http://news.bbc.co.uk/2/hi/science/nature/325290.stm>

Galileo's Battle for the Heavens

<http://www.pbs.org/wgbh/nova/galileo/>

Venus makes pass at the Sun

<http://www.nature.com/physics/physics.taf?file=/physics/highlights/6992-1.html>

Discovery of the planet Neptune controversy

<http://news.bbc.co.uk/2/hi/science/nature/2936663.stm>

Chapter 21 Touring Our Solar System

Lunar base options divide experts

<http://news.bbc.co.uk/2/hi/science/nature/3600627.stm>

Earth Hit by Neighbor in Making of Moon

http://www.space.com/scienceastronomy/moon_formation_040621.html

Doubling of cold, dark lunar craters raises human colonisation hopes.

Five times more water on Moon?

<http://www.nature.com/nsu/030324/030324-3.html>

Lunar mountain has eternal light

<http://news.bbc.co.uk/2/hi/science/nature/3549667.stm>

The highlands of Venus are covered by a heavy metal "frost".

<http://news.bbc.co.uk/2/hi/science/nature/3236018.stm>

Missions to Mars

<http://www.nature.com/nature/focus/mars/>

Mars' poles are mostly frozen water not carbon dioxide.

<http://www.nature.com/nsu/030210/030210-9.html>

<http://news.bbc.co.uk/2/hi/science/nature/3520232.stm>

Image reveals Mars' active past

<http://news.bbc.co.uk/2/hi/science/nature/3700111.stm>

How Mars got its rust

<http://www.nature.com/nsu/040503/040503-6.html>

Martian soil is 'same everywhere'

<http://news.bbc.co.uk/2/hi/science/nature/3519998.stm>

Signs of Martian water may really be slumping sand.
<http://www.nature.com/nsu/040524/040524-4.html>

Opportunity rover finds further evidence of wet Martian past
<http://www.nature.com/physics/physics.taf?file=/physics/highlights/6979-1.html>

Martian 'pebbles' don't prove watery past
<http://www.nature.com/nsu/040209/040209-2.html>

NASA's Opportunity has found initial evidence that rocks at Martian crater were deposited in water.
<http://news.bbc.co.uk/2/hi/science/nature/3724493.stm>

Space theorist posits unusual life on Mars
<http://www.sfgate.com/cgi-bin/article.cgi?file=/chronicle/archive/2003/09/04/MN303153.DTL>

What are Biomarkers?
[http://www.nature.com/cgi-
taf/DynaPage.taf?file=/nature/journal/v430/n6997/full/430288a_fs.html](http://www.nature.com/cgi-
taf/DynaPage.taf?file=/nature/journal/v430/n6997/full/430288a_fs.html)

Volcanoes likely source of Martian methane.
<http://www.nature.com/nsu/040329/040329-5.html>

Methane on Mars could signal life
<http://news.bbc.co.uk/2/hi/science/nature/3577551.stm>

Mars methane from biology or geology? (more possibilities than BBC)
<http://www.cnn.com/2004/TECH/space/03/30/mars.methane/index.html>

Recent ice ages on Mars
[http://www.nature.com/cgi-
taf/DynaPage.taf?file=/nature/journal/v426/n6968/abs/nature02114_fs.html](http://www.nature.com/cgi-
taf/DynaPage.taf?file=/nature/journal/v426/n6968/abs/nature02114_fs.html)

Cassini reverses theory of Jupiter's bands
<http://news.bbc.co.uk/2/hi/science/nature/2830351.stm>

Jupiter's clouds puzzle experts
<http://news.bbc.co.uk/2/hi/science/nature/1443825.stm>

Prediction of a global climate change on Jupiter
[http://www.nature.com/cgi-
taf/DynaPage.taf?file=/nature/journal/v428/n6985/abs/nature02470_fs.html](http://www.nature.com/cgi-
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Probe sees storms merge on Saturn
<http://news.bbc.co.uk/2/hi/science/nature/3612937.stm>

Recycling keeps planets' rings going
<http://www.nature.com/physics/physics.taf?file=/physics/highlights/6967-2.html>

Titan may have oily oceans

<http://news.bbc.co.uk/2/hi/science/nature/3158496.stm>
<http://www.nature.com/news/2004/040705/full/040705-3.html>

Telescopes take close-up on Titan
<http://news.bbc.co.uk/2/hi/science/nature/3603607.stm>

Saturn probe sights mystery moons
<http://news.bbc.co.uk/2/hi/science/nature/3633297.stm>

Strange events on distant Pluto
<http://news.bbc.co.uk/2/hi/science/nature/3052467.stm>

Sedna spotted far beyond Pluto – Astronomers spy new 'planet'.
<http://www.nature.com/nsu/040315/040315-1.html>

Sedna has no moon say astronomers
<http://news.bbc.co.uk/2/hi/science/nature/3625233.stm>

Large rock-ice object found orbiting the Sun near Neptune's orbit.
<http://news.bbc.co.uk/2/hi/science/nature/3277033.stm>

The formation of the Kuiper belt by the outward transport of bodies during Neptune's migration
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Detailed picture of comet's heart
<http://news.bbc.co.uk/2/hi/science/nature/3557205.stm>

Strange Comet Unlike Anything Known
http://space.com/scienceastronomy/stardust_results_040617.html

Dead Comet may have spawned Quadrantids meteors
<http://info.nature.com/cgi-bin/24/DM/y/eNOy0BgRcr0Ij0GvJ0AB>

'House-sized' meteorite hits Australia
http://www.theaustralian.news.com.au/common/story_page/0,5744,9869458%25E421,00.html

Space rock's close approach
<http://news.bbc.co.uk/2/hi/science/nature/2056403.stm>

Astronomers may have solved the puzzle of what hit Siberia almost a century ago.
<http://news.bbc.co.uk/2/hi/science/nature/1628806.stm>

Impact 'showered debris over Britain'
<http://news.bbc.co.uk/2/hi/science/nature/2472903.stm>

Earth's asteroid risk reduced
<http://www.nature.com/nsu/031110/031110-14.html>

Space chemicals could have given life its first twist
<http://www.nature.com/nsu/040216/040216-18.html>

Planetary exploration: A job for the droids?

http://www.nature.com/cgi-taf/DynaPage.taf?file=/nature/journal/v428/n6986/full/428888a_fs.html

Life could be leaking out all over the cosmos –Earth sows its seeds in space.

<http://www.nature.com/nsu/040216/040216-20.html>

Earth-like planets probably water-logged

<http://www.nature.com/nsu/030818/030818-10.html>

Astronomers hail planetary discovery

<http://news.bbc.co.uk/2/hi/science/nature/2042826.stm>

Is this the first photo of a planet beyond our solar system?

<http://www.nature.com/physics/physics.taf?file=/physics/highlights/6989-1.html>

Earth-like planets may be more rare than thought

<http://www.nature.com/news/2004/040726/full/040726-14.html>

Unmasking Vega: Solar System Like Ours Emerges

http://space.com/scienceastronomy/mystery_monday_031208.html

[Small world, big hopes](#)

Astronomers propose new planet category for dying gas giants

<http://www.nature.com/physics/physics.taf?file=/physics/highlights/6974-1.html>

Astronomers estimate about half the planetary systems so far discovered in our galaxy could contain Earth-like worlds.

<http://news.bbc.co.uk/2/hi/science/nature/3588721.stm>

Lens effect reveals distant world

<http://news.bbc.co.uk/2/hi/science/nature/3631889.stm>

Chapter 22 Light, Astronomical Observations, and the Sun

A Green Flash from the Sun.

<http://antwrp.gsfc.nasa.gov/apod/ap040321.html>

Six telescopes act as one

<http://news.bbc.co.uk/2/hi/science/nature/1879134.stm>

In 1801, astronomer William Herschel noted a relationship between sunspots and the price of wheat.

<http://news.bbc.co.uk/2/hi/science/nature/3036032.stm>

Changes in solar activity sent wheat prices soaring in medieval England.

Sun set food prices in the Middle Ages.

<http://www.nature.com/nsu/031215/031215-12.html>

Stradivarius' sound 'due to Sun'.

<http://news.bbc.co.uk/2/hi/science/nature/3323259.stm>

Sun key to Mayan misery?

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Sun sloughs magnetic field, leaving a reversed one in its place.

<http://www.nature.com/nsu/031117/031117-9.html>

Astronomers have discovered a key fact required to understand the Sun's 11-year cycle of activity.

<http://news.bbc.co.uk/2/hi/science/nature/3226844.stm>

Our Sun's regular mood swings

<http://news.bbc.co.uk/2/hi/science/nature/3220559.stm>

The massive solar flare that erupted from the Sun last November was far bigger than scientists first thought.

<http://news.bbc.co.uk/2/hi/science/nature/3515788.stm>

Earth buffeted by big solar flare.

<http://news.bbc.co.uk/2/hi/science/nature/3223739.stm>

Blast Wave Blows Through the Solar System

http://www.nasa.gov/vision/universe/solarsystem/0708_flare.html

NASA probe returning with solar booty.

<http://www.cnn.com/2004/TECH/space/04/06/solar.booty/index.html>

Astronomers may have found a star that has similar activity to our own Sun.

<http://news.bbc.co.uk/2/hi/science/nature/3703683.stm>

Chapter 23 Beyond Our Solar System

Veil lifted on the birth of stars

<http://news.bbc.co.uk/2/hi/science/nature/3625635.stm>

Comet destroyed in stellar crash

<http://news.bbc.co.uk/2/hi/science/nature/3639459.stm>

'Star material' recovered from South Pacific

<http://news.bbc.co.uk/2/hi/science/nature/388291.stm>

Chandra images supernova 1987A blast wave

<http://news.bbc.co.uk/2/hi/science/nature/745859.stm>

Cocoon surrounds 'black widow' star

<http://news.bbc.co.uk/2/hi/science/nature/2807833.stm>

Quark stars point to new matter

<http://news.bbc.co.uk/2/hi/science/nature/1922574.stm>

Dead stars could be part of 'missing mass'

<http://news.bbc.co.uk/2/hi/science/nature/1236460.stm>

Origin of cosmic dust discovered

http://news.bbc.co.uk/2/hi/uk_news/wales/3072121.stm

Ring around the Galaxy

<http://www.nature.com/nsu/030106/030106-3.html>

Nearest Galactic neighbour discovered

<http://www.nature.com/physics/physics.taf?file=/physics/highlights/6962-1.html>

Hubble catches colliding galaxies

<http://news.bbc.co.uk/2/hi/science/nature/396333.stm>

Puzzle of empty galaxies

<http://news.bbc.co.uk/2/hi/science/nature/3067693.stm>

Distant galaxies line-up in space

<http://news.bbc.co.uk/2/hi/science/nature/3499359.stm>

Filaments in the Universe

<http://news.bbc.co.uk/2/hi/science/nature/1345134.stm>

Map of our local part of the cosmos

<http://news.bbc.co.uk/2/hi/science/nature/1209040.stm>

Galaxy at $z = 10$

<http://news.bbc.co.uk/2/hi/science/nature/3525701.stm>

Best view of Big Bang 'echo'

<http://news.bbc.co.uk/2/hi/science/nature/2580261.stm>

Pictures of the early Universe

<http://news.bbc.co.uk/2/hi/science/nature/729750.stm>

Universe given mid-life booster

<http://news.bbc.co.uk/2/hi/science/nature/3728341.stm>

Distant supernova shows Universe defies standard Big Bang expansion

<http://news.bbc.co.uk/2/hi/science/nature/1260506.stm>

Universe 'mostly made of dark energy'?

<http://news.bbc.co.uk/2/hi/science/nature/2444123.stm>

An accelerating universe does not have to fry life.

<http://www.nature.com/nsu/020520/020520-11.html>

Rocky's Great Comment

NASA casts a shadow over bid to illuminate dark energy

http://www.nature.com/cgi-taf/DynaPage.taf?file=/nature/journal/v427/n6976/full/427667a_fs.html

Sizing up the Universe

<http://www.nature.com/physics/physics.taf?file=/physics/highlights/6989-2.html>

Lights will go out on Universe in 10 billion years – Star supply dwindling.

<http://www.nature.com/nsu/030811/030811-1.html>

'Mass map' probes dark matter

<http://news.bbc.co.uk/2/hi/science/nature/3077449.stm>

Suggested Reading

Bill Bryson "A Short History of Nearly Everything" Broadway Books New York 2003

Links

NASA Mission to Planet Earth

http://www.earth.nasa.gov/flash_top.html

NASA Science of the Earth System

<http://www.earth.nasa.gov/science/index.html>

NASA GISS Earth Sciences

<http://www.giss.nasa.gov/>