**what we study in L2 EARTH &Marine Science**

[](http://www.google.com/imgres?q=plankton&hl=en&biw=1311&bih=597&tbm=isch&tbnid=5Tq_xpQQwoINbM:&imgrefurl=http://raffles79.blogspot.com/2011/04/introduction-to-plankton.html&docid=AhZZTWD0h5K9PM&imgurl=http://4.bp.blogspot.com/-kUs2GcLcYhY/TbHVS--VceI/AAAAAAAAAFo/JVMjOHOZS4U/s400/plankton.jpg&w=400&h=259&ei=pSIqUNDrFaTNmAWZyoGIDw&zoom=1&iact=hc&vpx=537&vpy=121&dur=79&hovh=181&hovw=279&tx=147&ty=104&sig=114458168051282170635&page=1&tbnh=94&tbnw=145&start=0&ndsp=23&ved=1t:429,r:11,s:0,i:172) **** [](http://www.google.co.nz/imgres?q=undaria&num=10&hl=en&biw=1311&bih=597&tbm=isch&tbnid=3x_p0O5H97IuOM:&imgrefurl=http://www.stuff.co.nz/southland-times/news/4652374/Spreading-kelp-can-t-be-stopped-can-be-eaten&docid=AI5Gc-06SrvgfM&imgurl=http://static.stuff.co.nz/1297629322/594/4653594.jpg&w=238&h=286&ei=fCYqUL2lBqqimQXQr4CgDg&zoom=1&iact=hc&vpx=431&vpy=249&dur=1133&hovh=228&hovw=190&tx=111&ty=113&sig=104893590129161537187&page=3&tbnh=135&tbnw=112&start=50&ndsp=26&ved=1t:429,r:8,s:50,i:257)

**Plankton:** theory, catching and microscope viewing

**Ecosystems around Nelson:** Waimea Estuary, Cable Bay, Oyster Is.

**Geology:** local geological processes, eg boulder bank, faults, dunes

**Organisms living nearby:** periwinkles, undaria, crabs, snails, etc

**Mud:** what is in it, who eats it, how important is it

**Adaptations:** reproduction of fish, sharks, shellfish, crayfish

**Aquaculture:** theory, visit to Cawthron research facility

**Seawater Chemistry:** theory, practical investigations

**Extreme Environments:** life in Antarctica- Emperor Penguins

**Resource Management:** NZ fishing industry, history, rules,

[](http://www.google.co.nz/imgres?q=emperor+penguin&hl=en&biw=1311&bih=597&tbm=isch&tbnid=ybToFTLirFW-FM:&imgrefurl=http://listeningreading.blogspot.com/2011/09/emperor-penguin-worlds-greatest.html&docid=OLZMa6t6Zle48M&imgurl=http://1.bp.blogspot.com/-w-AJMOssiys/TnZHggzSmmI/AAAAAAAADv0/oaaNyw9clIQ/s1600/emperor-penguins.jpg&w=417&h=420&ei=bygqULOiJrHzmAW43YGoBA&zoom=1&iact=hc&vpx=297&vpy=155&dur=2852&hovh=225&hovw=224&tx=121&ty=96&sig=104893590129161537187&page=1&tbnh=110&tbnw=109&start=0&ndsp=25&ved=1t:429,r:2,s:0,i:141)