Subject	Year	Term
Environmental Science	13	1

Topic

Aquatic food resources

Content (Intent)

Prior Learning (Topic)

Biogeochemical Cycles
Agriculture
Hydrosphere

Future Learning (Topic)

Marine Productivity

Aquaculture

How will knowledge and skills be taught? (Implementation)	How will your understanding be assessed & recorded (Impact)
Note taking Convert between different units when estimating changes in total biomass, mean mass, fecundity and growth rates when assessing MSY. Construct tables on fish population data to draw conclusions on overfishing risks. Calculate and compare the mean, median and mode of a set of data, eg of yields of fish farmed under different conditions or fish from commercial catches. use and manipulate an equation to estimate the maximum sustainable yield of a fish population. Complete past paper questions on aquatic food resources Construct a table to compare open fishing with aquaculture	- Homework Booklet marked and written feedback given Test marked, graded and feedback given

How can parents help at home?		
Look at the topic specific resources on the VLE Use appropriate YouTube channels Encourage students to write revision cards Look at the specification on the AQA website Complete past papers (on the AQA website) Take an interest! Ask your children what they have learnt and be curious about their learning.		
Helpful further reading/discussion		
Reading Environmental Science Chapter 12	**Vocabulary Lists** **Productivity** **Pelagic** **Trawling** **Purse seining** **Demersal** **Ghost fishing** **Bycatch** **Quotas** **Population dynamics** **Maximum sustainable yield** **Aquaculture** **Polyculture**	**Careers Links** See VLE