



**Young Reporters**  
*for the environment*

# Objectives of the YRE Programme

- ✓ empower students to become active learners
- ✓ provide students with a vision of the professional world
- ✓ develop skills along with knowledge in school education
- ✓ use the internet and new educational technologies for learning and communication
- ✓ understand the issues of sustainable development and citizenship
- ✓ develop teacher - students collaboration on a common project

# Biology syllabus: practical investigations

## *(a) Aims and Objectives*

The overall aim of the practical component is to instil in candidates a favourable attitude toward the subject by:

- ✓ generating interest, enthusiasm and enjoyment;
- ✓ encouraging initiative and imagination;
- ✓ developing self-reliance;
- ✓ introducing, developing and reinforcing theoretical concepts;
- ✓ developing a critical awareness of experimental design;
- ✓ developing an ability to interpret data; and
- ✓ foster a scientific approach to life.



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**10. Fieldwork:** If possible this should be done on a regular basis at different times of the year and in different habitats to include land, freshwater and marine habitats. Fieldwork reports should include write-ups of the investigations carried out in the field. These write-ups should relate and apply theoretical biological knowledge to the results obtained from the investigations.

[http://www.curriculum.gov.mt/docs/syllabus\\_biology\\_f4\\_sep07.pdf](http://www.curriculum.gov.mt/docs/syllabus_biology_f4_sep07.pdf)

**26. Visits to various places of biological interest:**

- a. Experimental farm
- b. Fish farm
- c. Plant Nursery
- d. Recycling of solid waste and sewage treatment plant
- e. Nature reserves
- f. Brewery/winery
- g. Water treatment plant
- h. Dairy plant
- i. Reverse osmosis plant
- j. Natural history museum
- k. Blood banks

*Lengthy reports based on uncritical downloading of information about the theme being studied should be discouraged. Candidates are expected to present concise write-ups relating and applying biological principles to the observations made during the visit.*



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SEC Syllabus (2009): Biology

# ***The general presentation of biology reports***

Experiments involving ...	Number of practicals
... identification and classification of organisms	0 - 2
... investigation of life processes	Up to 10
... problem solving situations	At least 3
... fieldwork investigations	1 - 3
... visits to sites of biological interest	1 - 3