

IA-CLAYS AND ARCHITECT TIONAL TOOL FOR THE EN OTHER RELEVANT

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URAL MODELS FORM A MODITION OF THE STATE OF

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2. University of At

3. University of Po

The aquatic envir comprise the nucleu management of the use of models (aqu teaching quality.



ortsmouth, School of Biological Sciences, King Henry conment is strongly related to the sustants as of fishing industry. Global knowledge coastal zone. Learning of related subject

uaria-clays and architectural models)

thens, Department of Biology, Sector of Zoology and

CLAYS: MATERIALS ✓ Plaster in form of gauze or powder, clay. ✓ Silver wire, fishing line, glass stirring shaft, thin carton board sheet. I tool, tutu, aquarium tank.

ls: Sand, coral, stones, sponge.

paint, varnish, primer.

ainability of fisheries and biological fisher of the aquatic environment is a prerequest can be affected with practice and study comprise an economical solution with

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United kingdom

h farming that both lisite for the rational lies on the spot. The hout compromising





Acselected sectors (:Types of aquacfarmed species (i.

✓ A new approach which stimulates the pathology).

✓ Enhance creative

Clay Models

Morphology (pic.1) and anatomy of organiferent growth stages, fish pathology.

Ecosystem dioramas (pic.1).

Architectural Models

quaculture farms: the entire premises (pi.e. growth sector).

culture according to the cultivating method e. shellfish cultures).

WHY AQUARIA-CLAYS AI

ch in theoretical and practical education students' interest towards each subject (i.e.

vity in improving an experimental idea

isms,

Pic 1: Mediterran

ic.2) or

d or the



Pic 2: Architectural mode

ND ARCHITECTURAL MODELS

✓ Dioramas present the differen and ease the estimation and evaluation of fishing and aquaculture in the environment overall.

n



ean ecosystem diorama



l of Fish farm in Preveza

on of the consequences coastal zone and the

developing troubles necessary skills in fis

✓ Clay models of to identify and mer different organisms (detect any pathologic shooting strategies and trial methods heries and aquaculture.

organisms (or parts of them) help student norise not only the characteristics of the (internal and external anatomy), but also to cal signs (disease, injury, infection etc.).

Refe

Gilbert J.K., Boulter C.J. (2000) Developing models in science educ Welch M. (1999) Analyzing the Tacit Strategies of Novice Designer

- Students will assimilate the better, and therefore will be able to of aquaculture, fisheries and marine
- ✓ Low cost solution which high demands of fisheries and aquaculture prepared students.

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ation. Kluwer Academic Publishers, pp137-144, 271-2, 343, 345-348. ss. Research in Science & Technological Education, 17:1:19 — 34.

theoretical knowledge ope with the demands biology.

ly meets the tutoring e, thus leading to well-