

THEORETICAL BASIS OF IMPROVING ENVIRONMENTAL EDUCATION IN PRIMARY STUDENTS WITHIN THE CONTEXT OF INTERDISCIPLINARY INTEGRATION

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Abstract:

This article discusses the theoretical and pedagogical foundations of effective organization of environmental education among primary school students, teaching them to consciously approach environmental protection, as well as improving this process based on interdisciplinary integration.

Keywords: Environmental education, interdisciplinary integration, primary school, environmental culture, educational content.

Introduction

XXI in the century education the most current from directions one is ecological culture formation, in students to the environment relatively conscious, responsible relationship from upbringing consists of. In particular, start 'ich education stage this regarding main foundation to be service does. This because ecological education interdisciplinary integration based on done increase current scientific - practical from problems one is considered.

1. Ecological of education essence

Ecological education is nature and society between mutual dependency understanding, ecological problems understanding and them solution to reach aimed at personal responsibility formation Ecological process. education through students:

Nature to protect learns,

Ecological problems about to think gets used to,

Practical activity through nature with straight away to contact enters.

2. Interdisciplinary integration necessity

Interdisciplinary integration this is different of sciences each other related elements harmonization through together teaching is a process. Start in class ecological education following sciences with integration is done:

Mother tongue: environment about texts education

Natural history: plant and animal the world study.

Mathematics: ecological information based on issues solution

Technology: again usable materials with work

Descriptive art: nature landscapes drawing through emotional-aesthetic relationship development

3. Theoretical basics

Ecological education interdisciplinary integration based on improvement following theoretical to approaches relied on without take goes to:

Didactic basics: textbook content systematized to be, interdisciplinary connection, demonstrative from tools use.

Psychological and pedagogical basics: of the students young to the characteristics suitable methods, activities based approach.

Innovative technologies based on approach: interactive methods (cluster, aquarium, role) games), STEAM approach, project- based education.

4. Ecological education efficiency increase roads

In lessons ecological problems discussion to do

School around attention focus and ecological events organization to be

Students in the presence of ecological projects working exit

Local ecological problems with related training assignments to compile.

Today on the day ecological problems — global level danger is being recognized as (climate change, water and air pollution, biological diversity decrease).

UN Stable development from the goals one is quality education through ecological consciousness development (clause 4.7).

Start drinking education — ecological of upbringing the most important stage, because this in the period child's main worldview, values is formed.

Ecological education	In students to the environment relatively conscious, responsible relationship formation process
Interdisciplinary integration	Several sciences content combine through whole study activity organization to grow
Ecological culture	Human nature with each other in a relationship was moral-spiritual views system

3. Ecological of education start in class importance

Young age children more emotional acceptance does: to nature relatively love early from age formation need.

Initial in the classrooms mind and thought is developing — this at the time given ecological upbringing stable It will be.

Exposition, interesting games, experiments through the environment to protect interest is aroused.

4. Interdisciplinary integration to oneself typical aspects

Science	Ecological integration content example
Mother language	To nature related texts, stories, fairy tales through to nature love wake up call
Mathematics	To the environment related issues (e.g.: tree number, water waste accounts)
Natural history	Ecosystems, plants and animal world about knowledge
Technology	Again usable from materials items to make
Descriptive art	Nature landscapes drawing, exhibition tool as use

5. Theoretical basics

LS Vygotsky — to activity based education theory, close development zone (interactive methods for basis).

J. Dewey — “ to experience ” based education ” approach, children independent to think to teach

Didactic principles — exposition, coherence, harmony, interdisciplinary dependency.

6. Ecological education efficiency increase roads

1. **Integrated lessons:** for example, in the lesson “ Mathematics + Environment ” waste amount calculation.

2. **Project-based work:** " School " The garden ", " Paper" again " We work ", " Clean area - healthy life.

3. **Ecological excursions:** forest, garden, ditch - natural objects observation

4. **Social cooperation:** neighborhood, nature protection organizations with cooperation to do

5. **Digital technologies:** ecological games, virtual laboratories.

7. Statistics or practical examples input idea

If you in the article concrete evidence wants to bring if you are:

Yours at your school held ecological lessons statistics (for example: “ 5 integrated tests conducted in 3rd grade 4 of the lesson students high activity showed ”).

Ecological in projects participated students number.

Experiment took and next questionnaires (if you have them) if).

Conclusion in place this to say it is permissible, start class in students ecological education interdisciplinary integration based on organization to make — their ecological literacy, environmental conscious attitude in formation effective tool This approach is not only knowledge, maybe habit and It also develops competencies. The teacher 's this about

skill and methodical approach main from factors is one. Ecological upbringing not only the environment to protect, maybe person's moral, social responsibility also serves to shape does. Interdisciplinary integration — efficiency The teacher is the key. the lesson meaningful, practical and impressive organization if so, this in the child solid ecological consciousness shapes.

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