Neo Scientific Peer Reviewed Journal
Volume 5, Dec. 2022 ISSN (E): 2949-7752
www.neojournals.com

PEDAGOGICAL CHARACTERISTICS OF EDUCATION OF PRIMARY CLASS STUDENTS ON THE BASIS OF THE TIMSS INTERNATIONAL ASSESSMENT PROGRAM

Norqobilova Feruza Norsaitova
TDPI Theory of Education, 2nd year Graduate Student
Norqobilovaferuza.10@gmail.com
+998990268762

Abstract:

This article discusses the potential of the TIMSS international assessment ptogram in improving the mathematical literacy of elementary school students, as well as the research requirements and the importance of research in improving the effectiveness of mathematics.

Keywords:

international assessment program TIMSS mathematics mathematical operations curricuium mathematical information tasks simple and decimal fractions

Today, much attention is paid to the education of young people in our country. For example, on May 7, 2020, our president said, "The quality of education in mathematics on measures to improve and develop scientific research". [1] We need to educate young people who are the owners of our future with a great deal of emphasis from school time. We all know that they were previously taught in the same way, and now schools require diversity. Previously , students were divided into groups according to a single standard program, as well as at the same time and it was evaluated. In the meantime, this situation is changing, that is, specializing in the interests and abilities of students in schools , o; and evaluating students should serve to further develop their personality and abilities. School should understand well that people study differently at different times of their lives. The school is innovative, which makes it possible to educate children with different educational needs and promotes their high level of development to create educational approaches. Teaching depends on style and content, not place.[2]

TIMSS (Trends in International Mathematics and Science Study) is an international assessment program that is widely introduced in math and natural sciences in fourth grades. As part of the TIMSS study, the first assessment was conducted in 1995 and repeated every four years: in 1999, 2003, 2007, 2011, 2015. The next year 2019 was planned, but the pandemic was postponed to 2023. About 60 countries are monitoring the effectiveness of a low-education system in a global context

[1] 2020-year 7-may until Mathematics in the field he'lim quality enhancing, vain scientific tadqiqotlarni development Cries events to'g'About"give decision imzolandi.[1] https://lex.onto

[2] Andrey Shlyaxer World miqyosidagi he'lim XXIasr school system How built etmoq crust? Successful reforms vain top natijalar"

TIMSS uses trend data and many new countries will join the TIMSS study at each time . About 70 countries are expected to participate in the TIMSS 2023 study "TIMSS is widely considered as the main organizational principle of curriculum in reviewing factors that affect students' access to these opportunities he uses it."[3] The TIMSS curriculum model has three aspects.

1.Planned curriculum.

2.Implemented curriculum

3. Resulting curriculum . In turn, students should be trained in mathematics and natural sciences, as defined in the curriculum of countries .

How to organize an education system to facilitate the learning process in the TIMSS International Assessment Program, what is actually being organized in classrooms, how the opinions of those who teach it are fi and how they are justified, and most importantly, what the students are forming and they're studying these subjects

TIMSS extensively uses academic struts as a key principle in reviewing how students are provided with educational opportunities andfactors that affect students' use of these opportunities. The TIMSS study also asks students, their parents or guardians, teachers, school principals to fill out questionnaires about their work at home and at school and the conditions for studying mathematics and natural sciences. Surveys are compiled in accordance with the well-developed coverage program ,

TIMSS is updated in each assessment through repeated reviews by national research coordinators and international experts from the TIMSS Questionnaire Questionnaire Review Committee. This surveytakes the important role in implementing the quality of school education. We know that by the end of the year, students will complete basic arithmetic and form a broader understanding of mathematics . For a variety of reasons, however, many fourth-graders still develop their basic computing skills .

The IEA has expanded its TIMSS study by offering a relatively unstable evaluation of math in fourth grade. The goal of adding test tasks that were not relatively difficult was to ensure a better measurement at the lower end of the scale to expand the TIMSS study of mathematics in fourth grade. In 2015, a separateTIMSS 2023 study of test assignments from mathematics, called TIMSS numbers and actions, will be organized in two directions:

The field of content intended to evaluate areas related to science;

A cognitive sphere designed to evaluate thought processes.

The TIMSS 2023 study shows targeted percentages of mathematical fourth grade content areas and evaluation scores allocated to each of them. Each content area consists of sections, each section that contains a small number of topics. In evaluating fourth grade mathematics, each subject is almost equally distributed. Numbers are the basis of mathematics in the launcher class. The field of numbers and actions consists of three children. Fifty percent of the appraisal for these sections is distributed as follows:

[3] Mullis, I.V.S., Martin, M.O., Goh, S., & Cotter, K. (Eds.). (2016). TIMSS 2015 encyclopedia: Education policy and curriculum in mathematics and science. Retrieved from Boston College, TIMSS & PIRLS International Study Center website: http://timssandpirls.bc.edu/timss2015/encyclopedia/

Whole numbers (non-innational whole numbers: 0.1.2), (25%)
Expressions, simple equations and relationships (15%)
Ordinary fractions and eleven fractions (10%)
Simple and ten towers 1. knowledge of several types of towers; simple and ten towers; Compare, add and separate simple towers, solve problematic situations (perform issues with values of 2, 3, 4, 5, 6, 8, 10, 12 or 100) 2. Compare ten towers, convert simple towers into ten towers, add and separate ten towers (Onli towers can consist of one or two numbers after comma, allowing you to make calculations with money).
Geometries and measurements We have objectsof different shapes and sizes around us, geometry helps to imagine and understand the relationship between shapes and measurements. Measurement is the process of determining the amount of attributes (e.g. length and time) of objects and events.
The field of measurement and geometry consists of the following two areas:
Olchashlar (15%)
Geometriya (15%)
In the fourth grade, students use a drawer to measure length; issues related to length, mass, size and time; calculate the face and perimeters of ordinary squares; they need to know how to use cubes to determine volumes. Students should be able to determine the properties of straight lines, angles and different, two- andthree-dimensional shapes. The spatial shape is an integral part of the geometry organization, and students are asked to describe different geometric shapes and draw drawings. They should also analyze geometric relationships and be able to keep these relationships in solving the issue.
Measurements 1. Measurement and evaluation of lengths (millimeters, centimeters, meters, kilometers); Find solutions to length issues.
2. Solve issues related to weight measurement (grams and kilograms), size (milliliter and liters) and time (minutes and hours); identify the relevant types and measurements of units and flow masks.
3. Finding the perimeters of the squares, the face of the rectangles, the face of the shackles covered with squares, and the size of the objects filled with cubes solves related issues.
Instead , new methods and technologies are being used to help young people who are the builders of our future think independently, as well as to gain adequate knowledge . International expertise is also widely used to improve the quality of education. At the same time , each student must diligently take advantage of the opportunities and conditions created and be able to build a strong foundation for the future.

THE BIBLE'S VIEWPOINT

1. On May 7, 2020, a decree was signed on measures to improve the quality of education in the field of mathematics and to develop scientific research. https://lex.uz[1]
2. How to build a 20th-century school system for world-class education? Successful reforms and high results"
3.Mullis, I.V.S., Martin, M.O., Goh, S., & Cotter, K. (Eds.). (2016). TIMSS 2015 encyclopedia: Education policy and curriculum in mathematics and science. Retrieved

from Boston College, TIMSS & PIRLS International Study Center website: http://timssandpirls.bc.edu/timss2015/encyclopedia.

4. AL MASKARI Z., NOORANI F. & AL KHAROUSI P. (2012), Oman. MULLIS, IVS, MARTIN, MO, ARORA, A., STANCO, GM, CENTURIO, V., & MINNICH, CA, TIMSS (2011): Mathematics and Science Education Policy & Curriculum, Volumes 1 & 2, Chestnut Hill, Magistrates: TIMSS & PIRLS International Research Center, Boston College.