



CERTIFICATE

This is to certify that

Alcione Marques Fernandes

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

Mathematics and Art: dialogues under construction.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Alessandro Jacques Ribeiro

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

Developing mathematical knowledge for teaching algebra: an innovative approach for teacher education courses.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Aluska Dias Ramos de Macedo Silva

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

Contributions of Lesson Study and Didactical Engineering for the Education and Professional Development of Preservice Math Teachers.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Ana Cristina Ferreira

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

Inclusive Mathematics Education and professional development: building school-university partnerships.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics



CERTIFICATE

This is to certify that

Antônio Luís Oliveira Batista

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **minicourse** entitled:

The SAIAM method of mathematical applications: multiplication, percentage, potentiation and division.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Berlane Silva Martins

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

Ethnomathematics in the School Curriculum.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics



CERTIFICATE

This is to certify that

Brigitte Lutz-Westphal

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **minicourse** entitled:

Exploring Mathematics through dialogic and investigatory learning.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics



CERTIFICATE

This is to certify that

Carlos Miguel da Silva Ribeiro

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

Mathematics Teachers Interpretative Knowledge and its specificities for teaching - a need for a change of focus in teacher education.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Cleyton Hércules Gontijo

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

Critical and creative thinking in mathematics: a concept under construction in the Brazilian context.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Dario Fiorentini

attended the “XII Summer Workshop in Mathematics” held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

The Lesson Study (LS) in mathematics licentiate degree: initial studies at the University of Brasilia (UnB).

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Regina da Silva Pina Neves

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

The Lesson Study (LS) in mathematics licentiate degree: initial studies at the University of Brasilia (UnB).

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics



CERTIFICATE

This is to certify that

Janaína M. Pereira da Silva

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

The Lesson Study (LS) in mathematics licentiate degree: initial studies at the University of Brasilia (UnB).

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Edda Curi

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

Lesson Study: Contributions to Teacher Education.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics



CERTIFICATE

This is to certify that

Eliane Matesco Cristovão

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

Reflections on the teaching of mathematics in the context of interdisciplinary projects.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics



CERTIFICATE

This is to certify that

Fredy Enrique González

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

Sources of Information in Research on the History of Mathematical Education: A Pentadimensional Approach.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Jhone Caldeira Silva

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

Reflections on Mathematics PIBID: its potentialities and its challenges in face of teachers formation.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics



CERTIFICATE

This is to certify that

Jorge Cássio Costa Nóbriga

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **minicourse** entitled:

Responding to some “mathematical whys” through Dynamic Mathematical Demonstration.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics



CERTIFICATE

This is to certify that

Josinalva Estacio Menezes

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **minicourse** entitled:

The SAIAM method of mathematical applications: multiplication, percentage, potentiation and division.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Maria Célia Leme da Silva

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **minicourse** entitled:

School Geometry For Elementary Course: Knowing The Past, Reflecting On The Present.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Marli Duffles Donato Moreira

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

CINEMAT: mathematics through cinema lenses.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Raquel Carneiro Dörr

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **minicourse** entitled:

Exploring Mathematics through dialogic and investigatory learning.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Sérgio Carrazedo Dantas

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **minicourse** entitled:

Technology to Learn Study Teach Apply Mathematics.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Ulisses Dias da Silva

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

Active Methodologies in Mathematics Class: theoretical and methodological aspects.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Ulisses Dias da Silva

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **minicourse** entitled:

Mathematics for life.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics



CERTIFICATE

This is to certify that

Victor Augusto Giraldo

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

Teachers Education to Teach Mathematics from a Decolonial Perspective.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics



CERTIFICATE

This is to certify that

Victor Augusto Giraldo

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **minicourse** entitled:

Towards a Teachers Pre-Service Education Built from within the Profession.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Mateus Gianni Fonseca

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **talk** entitled:

Critical and creative thinking in mathematics: a concept under construction in the Brazilian context.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Alessandra Lisboa da Silva and Cleyton Hércules Gontijo

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **scientific communication** entitled:

Didactic engineering as a methodology of research and as an educational proposal in mathematics.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Aline Feitosa Vianna and Marcia Rodrigues Leal

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **scientific communication** entitled:

Creativity in the perspective of 6th students of a public school.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics



CERTIFICATE

This is to certify that

**Ana Maria Porto Nascimento, Ilvanete dos Santos de
Souza and Givaédina Moreira de Souza**

attended the “*XII Summer Workshop in Mathematics*” held at the University
of Brasília from 10th to 14th February 2020 and presented the **scientific com-
munication** entitled:

*Integration of research experiences and continuing education of early
years teachers.*

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics



CERTIFICATE

This is to certify that

Carine Almeida Silva Noletto

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **scientific communication** entitled:

Mathematical learning of students with intellectual disabilities: re-search feld.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

**Carla Lima Santos, Karla Amancio Pinto Field's and
Ana Maria Libório de Oliveira**

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **scientific communication** entitled:

Perimeter and area within the scope of special educational needs – vision impairment.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Deire Lucia de Oliveira

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **scientific communication** entitled:

Teacher formation and thematic evaluation: duo sometimes distant.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Eliézer Soares Pereira

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **scientific communication** entitled:

Model generation by logical regression to predict and explain the approval or failure in discipline.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Erica Santana Silveira Nery

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **scientific communication** entitled:

Cooperative games and the inclusion process in mathematics teaching.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Francisco Eteval da Silva Feitosa

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **scientific communication** entitled:

Report of hybrid teaching experience applied in geometry teaching to middle school students.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Giovana Madalena Michels Heringer and Kaled Sulaiman Khidir

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **scientific communication** entitled:

Conception of a mathematics teaching laboratory: from implementation to first activities.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics



CERTIFICATE

This is to certify that

Ildenice Lima Costa and Alessandra Lisboa Da Silva

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **scientific communication** entitled:

Creativity workshop in mathematics: investigating the bodies' moves.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Ildenice Lima Costa

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **scientific communication** entitled:

Assessment intervention in mathematics to the critical and creative thinking perspective: boundaries and possibilities.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Joan de Brito Sousa and Marcia Rodrigues Leal

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **scientific communication** entitled:

Chess game in the math learning process in a Formosa state college – Goiás.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Josinalva Estacio Menezes

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **scientific communication** entitled:

Mathematics: teaching, knowledge and recreations through history.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics



CERTIFICATE

This is to certify that

Leide Daiany Alves de Oliveira and Renata Vilela

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **scientific communication** entitled:

The mathematics teaching process in elementary school early grades at Formosa - GO public schools.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

**Luana Lopes dos Santos Alves and Regina da Silva Pina
Neves**

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **scientific communication** entitled:

The use of routine and non-routine combinatorial questions and analysis of student records as reflection tools for teaching practice.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics



CERTIFICATE

This is to certify that

Luciana Ávila Rodrigues, Carlos Campos, Marcelo de Souza Lima, Matheus Andrade and Pedro Derze

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **scientific communication** entitled:

Diferencial and integral calculus for students with high skills/giftedness.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics



CERTIFICATE

This is to certify that

Luciana Ávila Rodrigues and Marcelo Furtado

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **scientific communication** entitled:

On the teaching of pre-calculus and its impact on differential and integral calculus.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Marcia Aguiar and Valdir Alves da Silva

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **scientific communication** entitled:

Mathematical and didactic knowledge of basic education teachers concerning patterns and regularities: reflections on continuing education based on practice.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Marcia Rodrigues Leal and Cleyton Hércules Gontijo

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **scientific communication** entitled:

Chess game in the mathematics teaching and learning process: creativity, problem solving and deductive logical reasoning.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Raimunda de Oliveira

attended the “XII Summer Workshop in Mathematics” held at the University of Brasília from 10th to 14th February 2020 and presented the **scientific communication** entitled:

Curricular progression and the teaching of algebra in middle school: a analysis of the abilities proposed in the national curriculum common core (BNCC).

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Victória Porto Fernandes and Marcia Rodrigues Leal

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **scientific communication** entitled:

Math teaching for ADHD students.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics





CERTIFICATE

This is to certify that

Vinícius Rodrigues de Farias and Marcia Rodrigues Leal

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **scientific communication** entitled:

Mathematical education and citizenship: reflexes for a critical work direction.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics



CERTIFICATE

This is to certify that

Wescley Well Vicente Bezerra and Cleyton Hércules Gontijo

attended the “*XII Summer Workshop in Mathematics*” held at the University of Brasília from 10th to 14th February 2020 and presented the **scientific communication** entitled:

Assessment for learning in the Cálculo 1 course: the perception of students at a Brazilian public university.

Brasília, 14th February 2020

Cristina Acciarri

Coordinator of the XII Summer Workshop in Mathematics

