



### Postgraduate Diploma

Mathematical Methodology and Learning in the Early Childhood Classroom

Course Modality: Online
Duration: 6 months

Certificate: TECH Technological University

Official N° of Hours: 450 h.

Website: www.techtitute.com/us/education/postgraduate-diploma/postgraduate-diploma-mathematical-methodology-learning-early-childhood-classroom

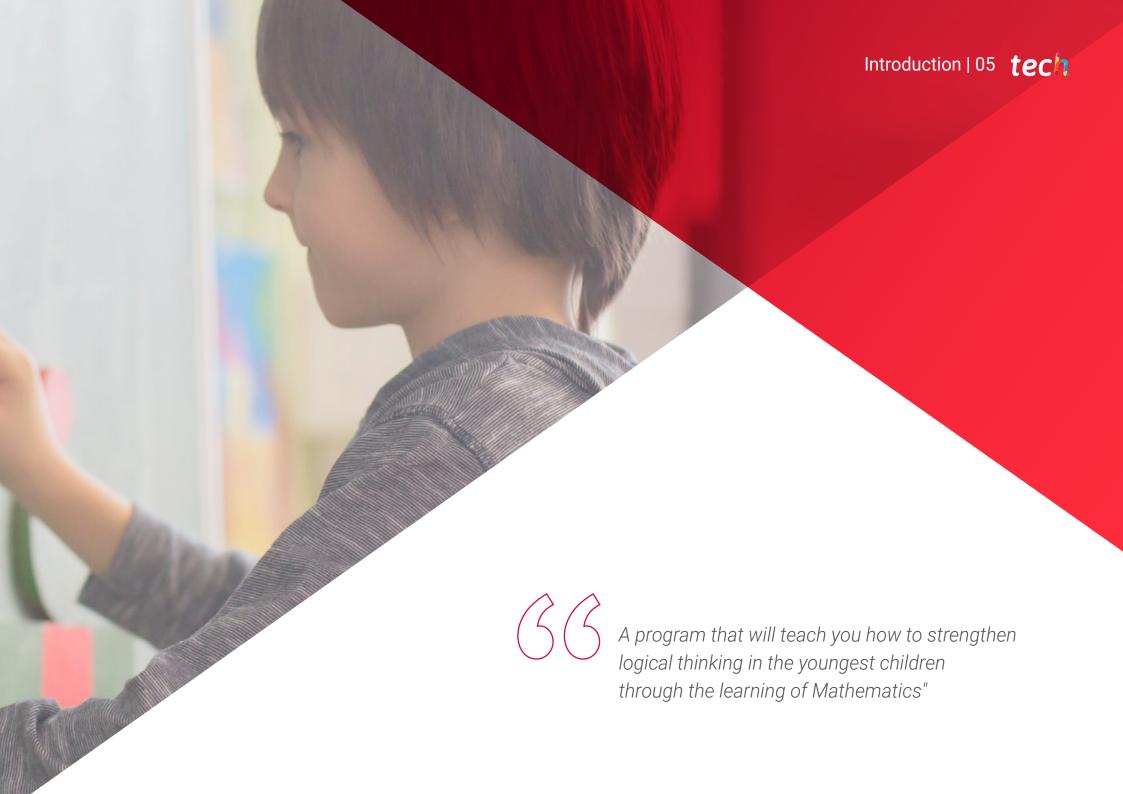
# Index

 $\begin{array}{c|c} 01 & 02 \\ \hline & Dijectives \\ \hline & & & \\ \hline &$ 

06 Certificate

p. 32





### tech 06 | Introduction

According to various international educational associations, the subject that students hate the most, as well as the one that represents the highest percentage of school failure, is mathematics. For many experts, this problem derives from a bad start in this subject in Early Childhood Education, with teaching based on obsolete methodologies that fail to lay the foundations for effective learning in the future. Therefore, the latest academic models have highlighted the importance of using innovative and dynamic teaching strategies in which the child can be actively involved, promoting, in addition to the acquisition of knowledge, a logical and practical thought process that can be applied to other academic areas and even to their daily life in the domestic or social environment.

In order for professionals in this field to keep up to date with these strategies, TECH and a teaching team specialized in this area have developed a 100% online program that includes the latest information on the subject. This is a 6-month program in which the teacher will be able to explore how to inculcate logical-mathematical thinking in Early Childhood Education through the promotion of related skills and with reference to most effective psycho-pedagogical concepts. They will also work intensively with the most effective and innovative methodologies for game-based learning and learn how to adapt the curriculum to apply gamification to arithmetic, algebra, geometry and measurement.

Students will have 450 hours of the best theoretical, practical and supplementary content, which will be hosted in a state-of-the-art Virtual Campus that they will be able to access from any device with an Internet connection. Thus, they will not have to worry about restricted schedules or face-to-face classes, but will enjoy an academic experience that adapts to their needs and demands. As a result, this is a unique opportunity to perfect their teaching skills through a Postgraduate Diploma that will undoubtedly mark a before and after in their professional career.

This Postgraduate Diploma in Mathematical Methodology and Learning in the Early Childhood Classroom contains the most complete and up-to-date educational program on the market. The most important features include:

- The examination of practical cases presented by experts in Mathematics teaching
- Graphic, schematic and practical contents which provide technical and practical information on those disciplines that are essential for professional practice
- Practical exercises where self-assessment can be undertaken to improve learning
- A special emphasis on innovative methodologies
- Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- Content that is accessible from any fixed or portable device with an Internet connection



You will work with the most cuttingedge learning methodologies, referring to a range of mathematical concepts and implementing the best practices"



Would you like to improve your teaching of arithmetic, algebra and other subjects? With this Postgraduate Diploma you will find out how to do so in a 100% online way"

The program includes, in its teaching staff, professionals from the sector who bring their professional experience to this program, in addition to recognized specialists from prestigious reference societies and universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive learning designed for real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to resolve the different professional practice situations that arise during the academic year. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.

The best program on the academic market to explore strategies for prenumerical teaching through play.

You will work intensively on the redesign of the Mathematics curriculum for the different levels of Early Childhood Education using the most innovative teaching methodologies.







### tech 10 | Objectives



### **General Objectives**

- Learn mathematical concepts and vocabulary appropriate to design and deliver a teaching unit
- Identify the properties of objects and discover the relationships established between them through comparisons, classifications, serialization and sequencing
- Teach students to work with and learn the cardinal numbers in series, through the manipulation of the appropriate material, to know how they are composed of and broken down into lower numbers



TECH's goal is for you to achieve your own through an unparalleled academic experience providing all the material you need to do so"







### **Specific Objectives**

#### Module 1. Mathematical Logical Thinking in Pre-school Education

- Understand the development of logical-mathematical thinking within the Pre-school and Elementary School Education curriculum
- Ensure that the children learn to deduce logically, to argue and to draw conclusions from the situations they are presented with
- Learn to work with different learning techniques

### Module 2. Methodology and Classroom-Based Learning in Pre-school Education

- Know the basic concepts for the teaching of mental arithmetic in the classroom
- Develop materials and games to work on mental arithmetic in the classroom
- Learn about other resources available for the development of mental arithmetic in Preschool and Elementary School Education classrooms
- Explore and implement cooperative work in the mathematics classroom

#### Module 3. Arithmetic, Algebra, Geometry and Measurement: Number Games

- Be able to plan different games and activities
- Encourage enthusiastic participation in different types of games, regulate behavior and harness excitement to achieve learning objectives
- Help students learn to count, to become familiar with numbers, to distinguish cardinal and ordinal numbers





### tech 14 | Course Management

### Management



### Ms. Delgado Pérez, María José

- Secondary and high school mathematics, technology, programming, robotics, biology, plastic arts, physics and chemistry teacher
- Master's Degree in Educational Center Management and Administration
- Leadership and management in Elementary, Middle School and High School
- Graduate in teaching with a specialization in English
- Industrial Engineer



### Course Management | 15 tech

#### **Professors**

#### Ms. Hitos, María

- Early Childhood and Elementary School Teacher, with experience in Mathematics
- Pre-school English Coordinator
- Language qualification in English by the Community of Madrid

#### Ms. Iglesias Serranilla, Elena

- Teacher of Pre-school and Elementary School Education, specialization in Music
- Elementary School Education First Cycle Coordinator
- Training in New Learning Methodologies

#### D. López Pajarón, Juan

- Secondary and High School Science Teacher
- Second Cycle Secondary School Coordinator and responsible for the center's projects
- Master's Degree in Educational Center Management and Administration
- Biologist with experience in the field of environmental conservation

### Ms. Soriano de Antonio, Nuria

- Language and Literature teacher for Secondary Education and High School at Colegio Montesclaros (Cerceda, Madrid).
- Spanish Language Philologist

#### Ms. Vega, Isabel

- Elementary School Education teacher specialized in Special Education Mathematics teaching
- Elementary School Education Cycle Coordinator





### tech 18 | Structure and Content

#### Module 1. Logical Mathematical Thinking in Pre-school Education

- 1.1. Logical-Mathematical Thinking
  - 1.1.1. What is Mathematical Logic?
  - 1.1.2. How is Mathematical Knowledge Acquired?
  - 1.1.3. The Formation of Logical-Mathematical Concepts at an Early Age
  - 1.1.4. Mathematical Concepts
  - 1.1.5. Characteristics of Logical-Mathematical Thinking
- 1.2. Training of Skills Related to Logical-Mathematical Development.
  - 1.2.1. Cognitive Development (Piaget)
  - 1.2.2. Evolutionary Stages
  - 1.2.3. Division of Thought in Knowledge (Piaget)
  - 1.2.4. Evolution of Logical-Mathematical Knowledge
  - 1.2.5. Physical Knowledge vs. Logical-Mathematical Knowledge
  - 1.2.6. Knowledge of Space and Time
- 1.3. Development of Logical-Mathematical Thinking
  - 1.3.1. Introduction
  - 1.3.2. Knowledge and Reality
  - 1.3.3. Development of Mathematical Knowledge
  - 1.3.4. Development of Logical Thinking by Age
  - 1.3.5. Components of Logical Development
  - 1.3.6. Mathematical Language
  - 1.3.7. Logical-Mathematical Development and Core Curriculum
- 1.4. Psychopedagogical Foundations in the Construction of Mathematical Knowledge
  - 1.4.1. Sensorimotor Intelligence
  - 1.4.2. Formation of Objective Symbolic Thinking
  - 1.4.3. Formation of Concrete-Logical Thinking
  - 1.4.4. Reasoning and its Types
  - 1.4.5. Bloom's Taxonomy in the Development of Logical-Mathematical Thinking
- 1.5. Logical-Mathematical Learning (I)
  - 1.5.1. Introduction
  - 1.5.2. Structuring of the Body Scheme
    - 1.5.2.1. Body Concept
    - 1.5.2.2. Body Image
    - 1.5.2.3. Postural Adjustment
    - 1.5.2.4. Coordination

- 1.6. Notions of Order
  - 1.6.1. Comparison
  - 1.6.2. Correspondence
  - 1.6.3. Ouantifiers
  - 1.6.4. Quantity Conservation
  - 1.6.5. Sets or Groupings
  - 1.6.6. Formation of Sets
  - 1.6.7. Numerical Cardinality
  - 1.6.8. The Number Concept
  - 1.6.9. Comparison of Sets
  - 1.6.10. Set Equivalence
  - 1.6.11. Recognition of Natural Numbers
  - 1.6.12. Ordinal Numbers
  - 1.6.13. Mathematical Operations: Addition and Subtraction
- 1.7. Pre-Numerical Knowledge: Classification
  - 1.7.1. What is Classification?
  - 172 Processes
  - 1.7.3. Types of Classification
  - 1.7.4. Cross Classifications
  - 1.7.5. Classification Games
- 1.8. Seriation Games
  - 1.8.1. Importance of Making Series
  - 1.8.2. Logical Operations in the Construction of Series
  - 1.8.3. Types of Series
  - 1.8.4. Seriation in Pre-school Education
  - 1.8.5. Seriation Games
- 1.9. Pre-Numerical Knowledge: Enumeration
  - 1.9.1. Conceptualization and Function of Enumeration
  - 1.9.2. Logical Operations Involved in Enumeration
  - 1.9.3. Enumeration in Pre-school Education Design of Activities
  - 1.9.4. Design of Activities
  - 1.9.5. Task-Based Achievements

### Structure and Content | 19 tech

- 1.10. Representation and Manipulative Mathematics
  - 1.10.1. Development of Logical-Mathematical Thinking Through the Senses
  - 1.10.2. Representation, Visualization and Reasoning
  - 1.10.3. Design of Activities Supported by Representation
  - 1.10.4. Manipulative Mathematics: Functions and Resources
  - 1.10.5. Design of Activities that Rely on Manipulation

## **Module 2.** Methodology and Classroom-Based Learning in Pre-school Education

- 2.1. Holistic Teaching in Pre-school Education
  - 2.1.1. Cooperative Learning
  - 2.1.2. Project Method
  - 2.1.3. Play
  - 2.1.4. Mathematics Corner
  - 2.1.5. Daily Activities (Routines)
  - 2.1.6. Workshops
  - 2.1.7. Large Regulated Group Activities
- 2.2. Construction of Mathematical Knowledge in T
  - 2.2.1. Introduction
  - 2.2.2. Models for the Teaching-Learning of Mathematics
  - 2.2.3. Specificity and Significance of Mathematical Knowledge
  - 2.2.4. Learning and Management of Didactic Variables
  - 2.2.5. Errors and Obstacles in Mathematical Learning
- 2.3. Mathematics Curriculum in Pre-school Education
  - 2.3.1. Introduction
  - 2.3.2. Didactic Transposition
  - 2.3.3. General Considerations for the Mathematics Curriculum in Pre-school Education
  - 2 3 4 NCTM Considerations
  - 2.3.5. Curriculum and Inferential Relationships in Pre-school Education
  - 2.3.6. Inferential Elements in Pre-school Education
  - 2.3.7. School Mathematics Curriculum and Relationship Building
  - 2.3.8. Argument and Mathematical Discourse in Pre-school Education

- 2.4. Creativity in Mathematics Intelligence Bits Method
  - 2.4.1. Introduction
  - 2.4.2. Main Creativity Theories
  - 2.4.3. Principles of School Mathematics
  - 2.4.4. Mathematics Standards
  - 2.4.5. Intelligence Bits Method
- 2.5. Methodological Proposals for Students with Educational Needs
  - 2.5.1. Introduction
  - 2.5.2. Create a Learning Environment to Include Children's Diversity
  - 2.5.3. Diversity of the Classroom in Today's Society
  - 2.5.4. Inclusive Classroom Climate as an Educational Response to Diversity
  - 2.5.5. Methodological Change
  - 2.5.6. Mathematical Knowledge is Built From One's Own Experience
  - 2.5.7. Teaching Methods of Mathematics
  - 2.5.8. Fundamental Principles
  - 2.5.9. Description of the Method
- 2.6. Principles of Didactic Methodology for the Teaching-Learning of Mathematics in Pre-school Education
  - 2.6.1. Methodology
  - 2.6.2. Basic Methodological Lines
  - 2.6.3. Child Stimulation
  - 2.6.4. Sequence of Learning
  - 2.6.5. Characteristics of Learning Assessment
  - 2.6.6. Assessment Tools
- 2.7. Theory of Teaching Situations
  - 2.7.1. Introduction
  - 2.7.2. Teaching Contract
  - 2.7.3. TDS-Based Learning
  - 2.7.4. Analysis of Real Situations
  - 2.7.5. Variables and their Management

## tech 20 | Structure and Content

2.8.	Teachi	ng Resources and Activities		3.1.4.	Counting Principles
	2.8.1.	Main Principles of Mathematical Learning			3.1.4.1. One-to-one Correspondence Principle
	2.8.2.	Strategies that Create a Positive Predisposition Toward Mathematics			3.1.4.2. Stable Order Principle
	2.8.3.	Logical-Mathematical Materials and Resources Utilities			3.1.4.3. Cardinality Principle
	2.8.4.	Non-Material Resources			3.1.4.4. Abstraction Principle
	2.8.5.	Mathematical Activities Suitable for Pre-school			3.1.4.5. Irrelevance of Order Principle
	2.8.6.	Constructive Logical-Mathematical Activities		3.1.5.	Procedures used by the Child in Counting
2.9.	Analysis of Objectives, Contents and Evaluation Criteria				3.1.5.1. Term to Term Correspondence
	2.9.1.	Analysis of Objectives (First Cycle)			3.1.5.2. Subset to Subset Correspondence
	2.9.2.	Analysis of Objectives (Second Cycle)			3.1.5.3. Purely Visual Estimation
	2.9.3.	Content Analysis			3.1.5.4. Subitization
	2.9.4.	Evaluation Criteria (First Cycle)			3.1.5.5. Count the Elements of a Collection
	2.9.5.	Evaluation Criteria (Second Cycle)			3.1.5.6. Recount
2.10.	Evaluat	tion in Pre-school Education			3.1.5.7. Discount
	2.10.1.	Introduction			3.1.5.8. Overcount
	2.10.2.	Characteristics of Pre-school Evaluation			3.1.5.9. Calculation Procedures
	2.10.3.	Evaluation of Teaching in Pre-school Education		3.1.6.	Fundamental Cardinal and Ordinal Situations
	2.10.4.	Evaluation of Learning in Pre-school Education		3.1.7.	The Importance of Zero
	2.10.5.	Regulatory Framework		3.1.8.	Strategies to Enhance the Concept and Use of Number
	2.10.6.	Headings	3.2.	Numbe	er Acquisition Process
1.4				3.2.1.	Introduction
		Arithmetic, Algebra, Geometry and Measurement Games		3.2.2.	Number Concept
with	Numbe	ers			3.2.2.1. Perception of General Quantities
3.1.	Initiation to Number				3.2.2.2. Distinguishing and Comparing Quantities of Objects
	3.1.1.	Number Concept			3.2.2.3. Uniqueness Principle
	3.1.2.	Construction of the Number Structure			3.2.2.4. Generalization
	3.1.3.	Numerical Development: Counting			3.2.2.5. Summative Action
		3.1.3.1. Phases in Learning the Numerical Sequence			3.2.2.6. Capture of Named Quantities
		3.1.3.1.1. Rope or String Level			3.2.2.6.1. Oral Numeric Series
		3.1.3.1.2. Unbreakable Chain Level			3.2.2.6.2. Counting Objects
		3.1.3.1.3. Breakable Chain Level			3.2.2.6.3. Cardinal Representation
		3.1.3.1.4. Numerable Chain Level			3.2.2.6.4. Compare Magnitudes
		3.1.3.1.5. Bidirectional Chain Level			3.2.2.7. Identification of the Name with its Representation

3.2.2.8. Invariance of Named Quantities

3.2.3.	From Experimental Psychology
	3.2.3.1. Distance Effect
	3.2.3.2. Size Effect
	3.2.3.3. Numerical Spatial Arrangement
3.2.4.	1 37
	3.2.4.1. Behavioral, Cognitive and Constructivist Theory
	3.2.4.1.1. Exercise Law
	3.2.4.1.2. Law of Effect
3.2.5.	Theories on the Process of Number Acquisition
3.2.6.	Piaget
	3.2.6.1. Stages
	3.2.6.2. Requirements for the Understanding of the Notion of Number
3.2.7.	Dienes
	3.2.7.1. Principles
	3.2.7.1.1. Dynamic Principle
	3.2.7.1.2. Constructive Principle
	3.2.7.1.3. Economic Variability Principle
	3.2.7.1.4. Constructive Variability Principle
	3.2.7.2. Stages
	3.2.7.2.1. Free Play
	3.2.7.2.2. Game with Rules
	3.2.7.2.3. Isomorphic Games
	3.2.7.2.4. Representation
	3.2.7.2.5. Description
	3.2.7.2.6. Deduction
3.2.8.	Mialaret
	3.2.8.1. Stages
	3.2.8.1.1. Action Itself
	3.2.8.1.2. Action Accompanied by Language
	3.2.8.1.3. Conduct of the Narrative
	3.2.8.1.4. Application of the Story to real Situations
	3.2.8.1.5. Graphical Expression of the Actions already Reported and Represented
	3.2.8.1.6. Symbolic Translation of the Studied Problem

	3.2.9.	Information Processing
		3.2.9.1. Numerical Apprehension Model
		3.2.9.2. Pre-linguistic Numerical Skills
	3.2.10.	Counting Principles (Gelman and Gallistel)
		3.2.10.1. Biunivocal Correspondence Principle
		3.2.10.2. Stable Order Principle
		3.2.10.3. Cardinality Principle
		3.2.10.4. Abstraction Principle
		3.2.10.5. Inconsequence of Order Principle
	3.2.11.	Comparison of Counting Concepts in Piaget's, Gelman's and Gallistel's Theory
3.3.	Inform	al Arithmetic I
	3.3.1.	Introduction
	3.3.2.	Towards an Informal and Intuitive Arithmetic in Pre-school Education
		3.3.2.1. Recognize Quantities
		3.3.2.2. Relate Quantities
		3.3.2.3. Operate Quantities
	3.3.3.	Objectives
	3.3.4.	Early Arithmetic Skills
		3.3.4.1. Preservation of Inequality
	3.3.5.	Arithmetic Skills and Chants
		3.3.5.1. Preliminary Considerations
		3.3.5.1.1. The Social-Cognitive Conflict
		3.3.5.1.2. Role of the Language
		3.3.5.1.3. Creation of Contexts
		3.3.5.2. Procedures and Mastery of the Chants
3.4.		al Arithmetic II
	3.4.1.	Memorization of Numerical Facts
		3.4.1.1. Activities to Work on Memorization
		3.4.1.2. Domino
		3.4.1.3. Hopscotch
	3.4.2.	Didactic Situations for the Introduction of Addition
		3.4.2.1. Dialed Number Game
		3.4.2.2. Race to 10
		3.4.2.3. Christmas Greeting

## tech 22 | Structure and Content

3.5.	Basic A	Arithmetic Operations
	3.5.1.	Introduction
	3.5.2.	Additive Structure
		3.5.2.1. Phases of Mialaret
		3.5.2.1.1. Approach Through Manipulation
		3.5.2.1.2. Action Accompanied by Language
		3.5.2.1.3. Mental Work Supported by Verbalization
		3.5.2.1.4. Purely Mental Work
		3.5.2.2. Strategies to Add
		3.5.2.3. Initiation to Subtraction
		3.5.2.4. Addition and Subtraction
		3.5.2.4.1. Direct and Object Modeling
		3.5.2.4.2. Counting Sequences
		3.5.2.4.3. Recalled Numeric Data
		3.5.2.4.4. Strategies to Add
		3.5.2.4.5. Subtraction Strategies
	3.5.3.	Multiplication and Division
	3.5.4.	Arithmetic Problem Solving
		3.5.4.1. Addition and Subtraction
		3.5.4.2. Multiplications and Divisions
3.6.	Space	and Geometry in Pre-school Education
	3.6.1.	Introduction
	3.6.2.	Objectives Proposed by the NCTM
	3.6.3.	Psychopedagogical Considerations
	3.6.4.	Recommendations for Teaching Geometry
	3.6.5.	Piaget and his Contribution to Geometry
	3.6.6.	Van Hiele Model
		3.6.6.1. Levels
		3.6.6.1.1. Visualization or Recognition
		3.6.6.1.2. Analysis
		3.6.6.1.3. Sorting and Classification
		3.6.6.1.4. Rigor

		3.6.6.2. Learning Phases
		3.6.6.2.1. Phase 1: Consultancy
		3.6.6.2.2. Phase 2: Directed Guidance
		3.6.6.2.3. Phase 3: Explication
		3.6.6.2.4. Phase 4: Guidance
		3.6.6.2.5. Phase 5: Integration
	3.6.7.	Geometry Types
		3.6.7.1. Topological
		3.6.7.2. Projective
		3.6.7.3. Metrics
	3.6.8.	Visualization and Reasoning
		3.6.8.1. Spatial Orientation
		3.6.8.2. Spatial Structuring
		3.6.8.3. Gálvez and Brousseau
		3.6.8.3.1. Microspace
		3.6.8.3.2. Mesospace
		3.6.8.3.3. Macrospace
3.7.	Magnit	udes and their Measurement
	3.7.1.	Introduction
	3.7.2.	Construction of the Notion of Magnitude in the Child
		3.7.2.1. Piagetian Phases in the Construction of Magnitudes
		3.7.2.1.1. Consideration and Perception of a Magnitude
		3.7.2.1.2. Conservation of Magnitude
		3.7.2.1.3. Ordering with Respect to Magnitude
		3.7.2.1.4. Correspondence of Numbers to Quantities of Magnitude
		3.7.2.2. Stages in the Construction of the Measure
		3.7.2.2.1. Direct Perceptual Comparison
		3.7.2.2.2. Displacement of Objects
		3.7.2.2.3. Operability of the Transitive Property
		3.7.2.3. Stages in the Teaching-Learning of Magnitudes
		3.7.2.3.1. Sensory Stimulation
		3.7.2.3.2. Direct Comparison
		3.7.2.3.3. Indirect Comparison
		3.7.2.3.4. Choice of Unit
		3.7.2.3.5. Irregular Measurement System

3.7.2.3.6. Regular Measurement System

### Structure and Content | 23 tech

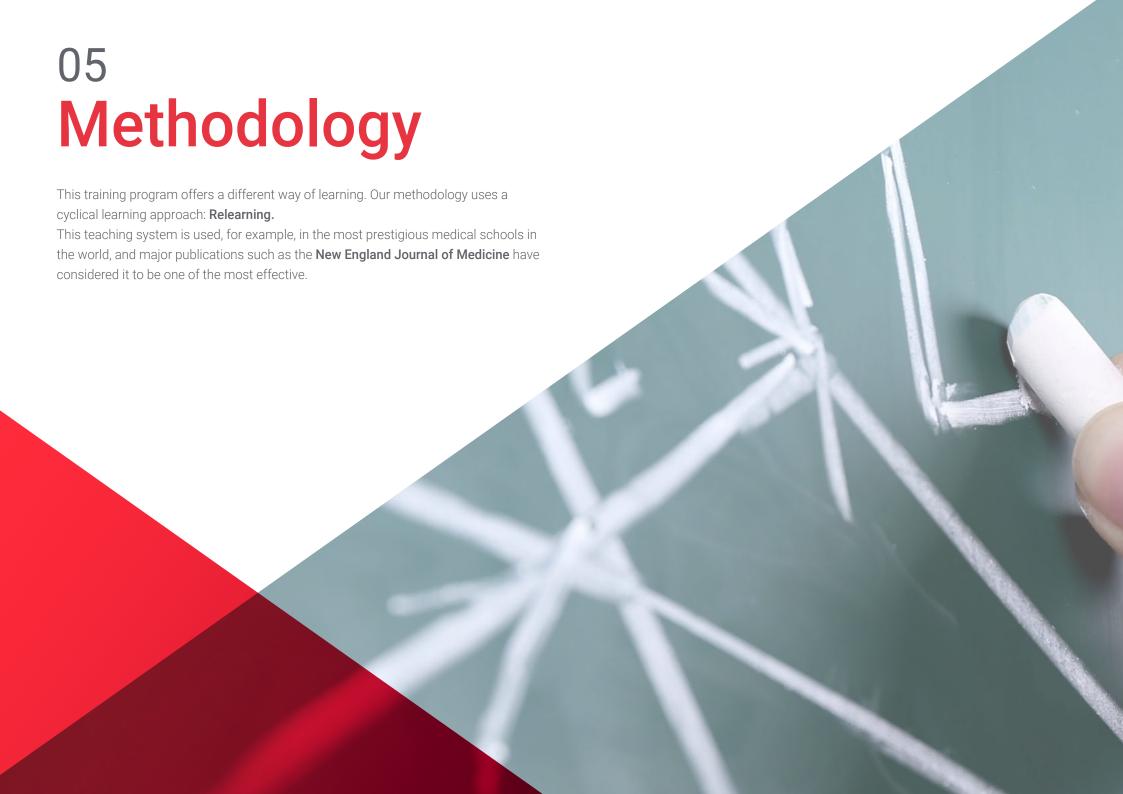
	3.7.3.	Measuring Magnitudes
	3.7.4.	Length Measurement
	3.7.5.	Length Measurement
	3.7.6.	Measurement of Capacity and Volume
	3.7.7.	Measurement of Time
	3.7.8.	Phases of the Different Magnitudes
		3.7.8.1. Preparation Phase
		3.7.8.2. Measurement Practice Phase
		3.7.8.3. Consolidation Phase of Techniques and Concepts
Play in Pre-school Education		
	-	Introduction
	3.8.2.	Objectives
		Game Features
	3.8.4.	Evolution of the Game
		3.8.4.1. Types of Games
		3.8.4.1.1. Functional Game
		3.8.4.1.2. Imitation or Symbolic Play
		3.8.4.1.3. Game with Rules
		3.8.4.1.4. Construction Game
	3.8.5.	Chance and Strategy
	3.8.6.	Competition in the Games
	3.8.7.	Didactic Considerations on the Game
	Didactic Resources of the Game	
	3.9.1.	Games and Logical Thinking
		3.9.1.1. Three in a Row
		3.9.1.2. Quarto
		3.9.1.3. Portrait Games
	3.9.2.	Quantitative Games
		3.9.2.1. Number to Compare
		3.9.2.1.1. Let's Go Home!!
		3.9.2.2. Number to Calculate
		3.9.2.2.1. Couples
		3.9.2.2.2. It's Over!!
		3.9.2.2.3. Cat and Mouse

3.8.

3.9.

- 3.9.3. Games and the Structure of Space 3.9.3.1. Puzzles 3.9.3.1.1. Two-Color Paintings 3.9.3.1.2. The Hex
- 3.10. Games in Different Spaces
  3.10.1. Introduction
  - 3.10.2. Games in the Classroom
    3.10.2.1. The Butterfly Game
    3.10.2.2. The Partitioning Game
    3.10.2.3. Image Trains
    3.10.2.4. The Newspaper
    3.10.2.5. Flat Figures
  - 3.10.2.6. Containers
    3.10.3. Games in Psychomotor Skills
    3.10.3.1. Working with Sizes
    3.10.3.2. Classify
    3.10.3.3. We Play with the Hoops
  - 3.10.4. Outdoor Games
    3.10.5. Mathematical Games with ICT

    3.10.5.1. Playing with the Turtle's Mind
    3.10.5.2. Geometric Figures
    3.10.5.3. For 3-Year-Old Students
    3.10.5.4. Variety of Activities
    3.10.5.5. Didactic Unit



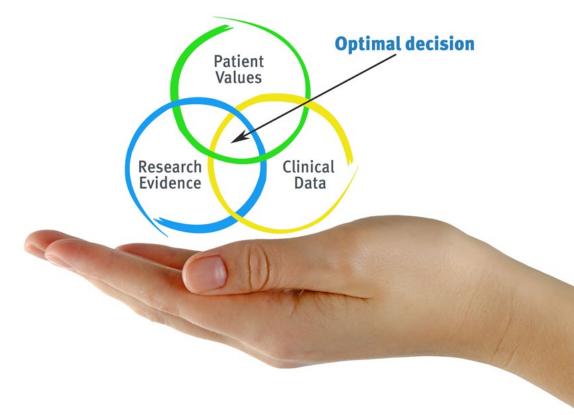


### tech 26 | Methodology

#### At TECH Education School we use the Case Method

In a given situation, what should a professional do? Throughout the program students will be presented with multiple simulated cases based on real situations, where they will have to investigate, establish hypotheses and, finally, resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method.

With TECH, educators can experience a learning methodology that is shaking the foundations of traditional universities around the world.



It is a technique that develops critical skills and prepares educators to make decisions, defend their arguments, and contrast opinions.



Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method"

#### The effectiveness of the method is justified by four fundamental achievements:

- Educators who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their knowledge.
- 2. The learning process is solidly focused on practical skills that allow educators to better integrate the knowledge into daily practice.
- **3.** Ideas and concepts are understood more efficiently, given that the example situations are based on real-life teaching.
- **4.** Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.



### tech 28 | Methodology

### Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

Our University is the first in the world to combine case studies with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, which represent a real revolution with respect to simply studying and analyzing cases.

Educators will learn through real cases and by solving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.



### Methodology | 29 tech

At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology we have trained more than 85,000 educators with unprecedented success in all specialties. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by our learning system is 8.01, according to the highest international standards.

### tech 30 | Methodology

This program offers the best educational material, prepared with professionals in mind:



#### **Study Material**

All teaching material is produced by the specialist educators who teach the course, specifically for the course, so that the teaching content is really specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



#### **Educational Techniques and Procedures on Video**

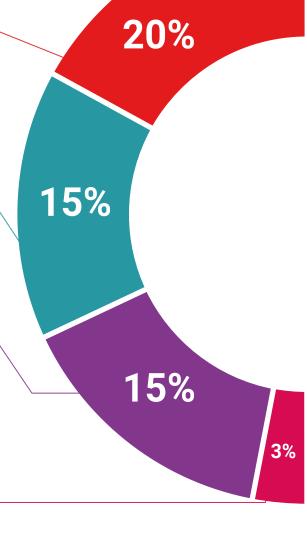
TECH introduces students to the latest techniques, with the latest educational advances, and to the forefront of Education. All this, first-hand, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



#### **Interactive Summaries**

The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive multimedia content presentation training Exclusive system was awarded by Microsoft as a "European Success Story".





#### **Additional Reading**

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.

### **Expert-Led Case Studies and Case Analysis** Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.

### **Testing & Retesting**

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises: so that they can see how they are achieving your goals.



#### Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

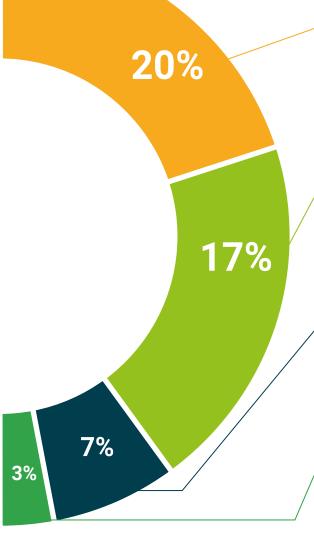
Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



#### **Quick Action Guides**

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.









### tech 34 | Certificate

This Postgraduate Diploma in Mathematical Methodology and Learning in the Early Childhood Classroom contains the most complete and up-to-date educational program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Diploma** issued by **TECH Technological University** via tracked delivery\*.

The diploma issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Diploma, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees

Title: Postgraduate Diploma in Mathematical Methodology and Learning in the Early Childhood Classroom

Official N° of Hours: 450 h.



#### **POSTGRADUATE DIPLOMA**

in

#### Mathematical Methodology and Learning in the Early Childhood Classroom

This is a qualification awarded by this University, equivalent to 450 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

June 17, 2020

Tere Guevara Navarro

Unique TECH Code: AFWORD23S techtitute.com/certi

<sup>\*</sup>Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

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Postgraduate Diploma
Mathematical Methodology
and Learning in the Early
Childhood Classroom

Course Modality: Online
Duration: 6 months

Certificate: TECH Technological University

Official N° of Hours: 450 h.

