

Postgraduate Certificate

Teaching Physical Geography  
for High School Teachers



## Postgraduate Certificate

### Teaching Physical Geography for High School Teachers

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtitute.com/us/education/postgraduate-certificate/teaching-physical-geography-high-school-teachers](http://www.techtitute.com/us/education/postgraduate-certificate/teaching-physical-geography-high-school-teachers)

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# 01

# Introduction

This program is aimed at teachers who, thinking about new possibilities for their classes, want to introduce methodologies supported by Internet services in their educational environments. With this program, we intend, through a constructivist process, to transform the most relevant contents of the Social Sciences into learning experiences. To that end, a team of expert human sciences teachers has designed a roadmap characterized by the special care placed on the sequential relation between the contents and how they are subsequently related to the resources.





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*This program in Teaching Physical Geography for High School Teachers will generate a sense of confidence in your work performance, which will help you grow both personally and professionally”*

The design, aimed at social science teachers, is rooted in reality, favoring holistic and meaningful learning. Special care has been taken to create motivating learning environments aimed at building a favorable attitude towards new knowledge.

The pace, difficulty and complexity of the methodologies used will progress in tandem with the program, as will the assessments, which focus on assessing evidence of learning at the end of each section and module.

Upon completing the program, teachers will have mastered a sufficiently wide range of activities, tools and contents that will enable them to guide their students in through activities, suggest others for individual work, and even propose a third group of tasks of a social and collaborative nature.

One of the most relevant features of the program is enabling teachers to define their own instructional designs. You will be able to extrapolate the techniques and methodological strategies used such as: project management; elaboration of presentations, schemes and mind maps; creation of documents (infographics, maps, audios, albums, boards, chronological axes); creation of educational Blogs and Wikis; storing information in "the cloud" and etc., which characterizes the school of the 21st century.

This program helps professionals in this field to increase their ability to succeed, which results in better praxis and performance that will have a direct impact on educational outcomes, on the improvement of the educational system and on the social benefit for the whole community.

The **Postgraduate Certificate in Teaching Physical Geography for High School Teachers** contains the most complete and up-to-date program educational on the market. Its most notable features are:

- ♦ More than 75 case studies presented by experts in Teaching Physical Geography for High School Education
- ♦ The graphic, schematic, and practical contents with which they are created provide scientific and practical information on the disciplines that are essential for professional practice
- ♦ The latest developments in detection and intervention in Teaching Physical Geography in High School Education
- ♦ It contains practical exercises where the self-assessment process can be carried out to improve learning
- ♦ Algorithm-based interactive learning system for decision-making in the situations that are presented to the student
- ♦ The program's special emphasis on evidence-based methodologies in Teaching Physical Geography in High School Education
- ♦ All of this will be complemented by 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



*Update your knowledge with this Postgraduate Certificate in Teaching Physical Geography for High School Teachers"*

“

*This Postgraduate Certificate is the best investment you can make when selecting a refresher program, for two reasons: in addition to updating your knowledge of Teaching Physical Geography for High School Teachers, you will obtain a Postgraduate Diploma from TECH Technological University"*

The teaching staff includes teaching professionals in the field of Teaching Physical Geography in High School Education, who bring their experience to this program, as well as renowned specialists belonging to prestigious societies and leading universities.

Thanks to its multimedia content developed with the latest educational technology, they will allow the professional a situated and contextual learning, that is to say, a simulated environment that will provide an immersive learning programmed to prepare in real situations.

This program is designed around Problem-Based Learning, whereby the students must try to solve the different professional practice situations that arise throughout the program. To that end, educators will be assisted by an innovative, interactive video system created by renowned and experienced experts in Teaching Physical Geography in High School Education who have extensive teaching experience.

*Increase your decision-making confidence by updating your knowledge with this Postgraduate Certificate.*

*Make the most of this opportunity to learn the latest advances in Teaching Physical Geography in High School Education and improve the attention you provide your students.*



02

# Objectives

The Postgraduate Certificate in Teaching Physical Geography for High School Teachers is aimed at facilitating the professional performance of educators devoted to teaching adolescents and guiding them in their professional future.





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*This Postgraduate Diploma is designed for you to acquire updated knowledge of Teaching Physical Geography for High School Education with the use of the latest educational technology to contribute quality and confidence to decision-making and monitoring student progress”*



## General Objectives

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- Acquire the necessary skills to enable professional teaching practice in today's schools
- Establish inferences between theoretical knowledge and various interactive teaching tools to master new knowledge-generating techniques

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*Seize the opportunity and take the step to get up to speed on the latest developments in academic intervention in Teaching Physical Geography in High School Education”*





## Specific Objectives

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- Ensure the necessary knowledge for the teaching of geography in secondary education, without prejudice to the complementary education that may be legally established
- Create the basis for further postgraduate studies, specialized or
- transdisciplinary, in which there is a strong territorial component
- Identify the elements in the physical environment, and describe and characterize the main natural environments and their distribution
- Analyze the use of resources by social groups and assess environmental consequences
- Describe geographic areas and point out their features
- Know the geographic diversity of the world and its basic physical features
- Analyze and understand human geography as a discipline that studies the relation between society and physical space

03

# Course Management

The program includes in its teaching staff leading specialists in Teaching Physical Geography in High School Education, who pour into this program the experience of their work. In addition, other specialists of recognized prestige participate in its design and elaboration, completing the program in an interdisciplinary manner.



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*Learn the latest advances in procedures in Teaching Physical Geography in High School Education from leading professionals”*

## Management



### Mr. Linares Tablero, Pedro

- ♦ Head of Studies, in charge of New Technologies and Academic Organization at Edith Stein School
- ♦ Principal of Chesterton School
- ♦ Principal of Villamadrid School
- ♦ Degree in Philosophy and Educational Sciences from the Complutense University of Madrid
- ♦ Postgraduate Diploma in Flipped Classroom in the Classroom by CEU Cardenal Herrera University

## Professors

### Mr. Reig Ruiz, Pedro

- ♦ Professor at IES Salvador Dalí
- ♦ Researcher at the University of Alcalá
- ♦ Writer at SegurCaixa Adeslas
- ♦ Degree in History, Complutense University of Madrid
- ♦ Master's Degree in Teacher Training for High School by the Complutense University of Madrid
- ♦ Master's Degree in History of the Hispanic Monarchy, Complutense University of Madrid

### Mr. Alcocer Martín, Daniel

- ♦ Head of the Humanities Department. Private School
- ♦ Secondary Education Teacher. IES El Burgo de las Rozas
- ♦ Degree in History from the Complutense University of Madrid
- ♦ Specialist in International Relations, Security and Defense. Complutense University of Madrid
- ♦ Master's Degree in Bioethics. Rey Juan Carlos University



**Mr. Rodríguez Rodríguez, José Javier**

- ♦ Multidisciplinary lecturer in countries such as Chile and the United Kingdom.
- ♦ Degree in History from the University of Alcalá de Henares.
- ♦ Master's Degree in Middle and High School Teacher in the speciality of Geography and History by the of Geography and History by the University of Alcalá de Henares.

**Mr. Guerrero Cuesta, Daniel**

- ♦ University Professor and Researcher
- ♦ PhD in the Department of History of America I of the Faculty of Geography and History of the UCM
- ♦ Degree in History, Complutense University of Madrid
- ♦ Speciality in Contemporary American History
- ♦ Master's Degree in American History and Anthropology
- ♦ Master's Degree in High School Teacher Education

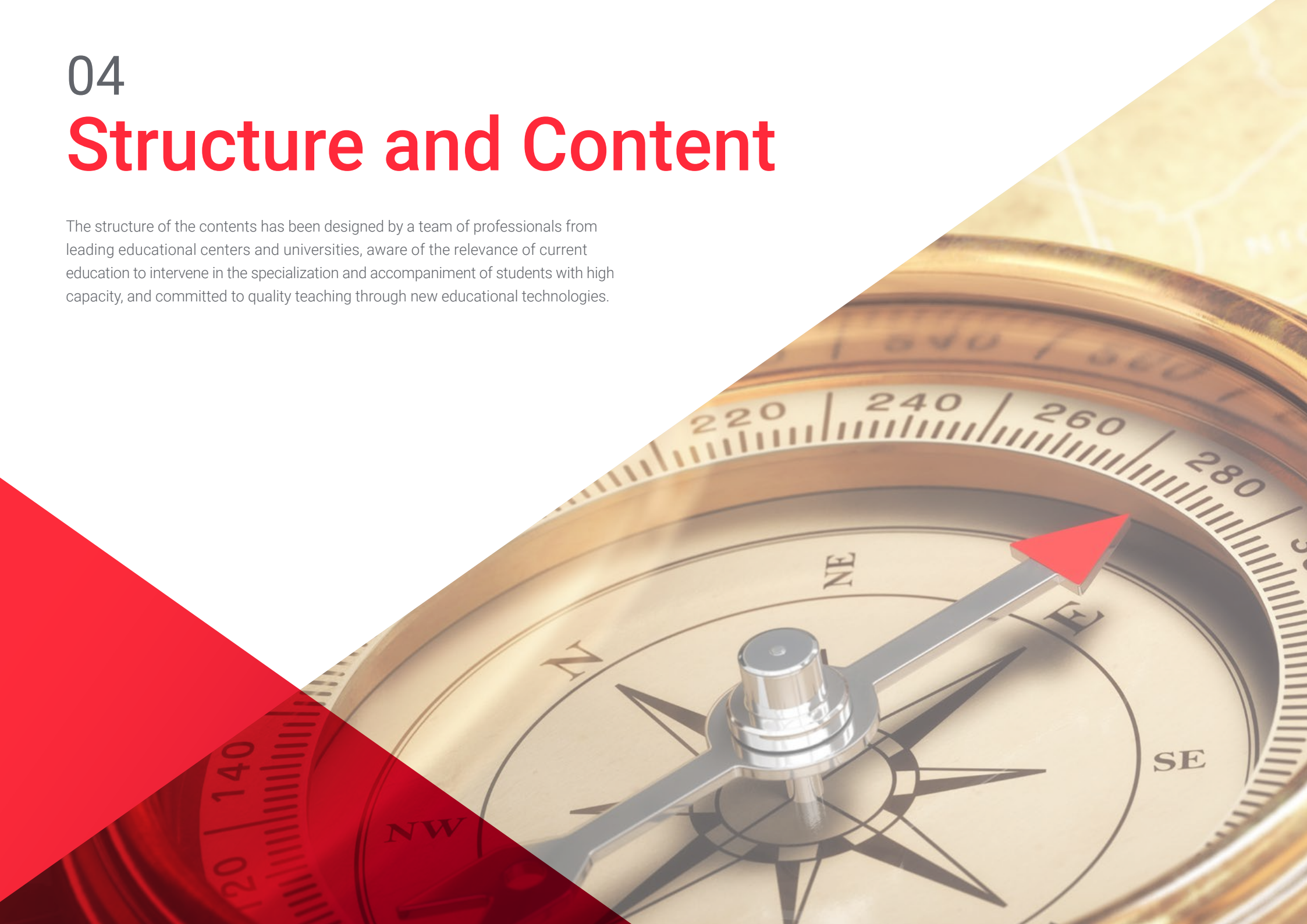
**Mr. Lecuona Font, Enrique**

- ♦ Researcher
- ♦ Monitor of extracurricular sports activities. Hispano Inglés School Santa Cruz de Tenerife
- ♦ Research professor of the associationism in the Canary Islands by the ULL.
- ♦ Degree in Geography, University of La Laguna
- ♦ CAP (Certificate of Professional Aptitude in Spain), Alfonso X El Sabio University
- ♦ Master's Degree in Urban Law, University of La Laguna

04

# Structure and Content

The structure of the contents has been designed by a team of professionals from leading educational centers and universities, aware of the relevance of current education to intervene in the specialization and accompaniment of students with high capacity, and committed to quality teaching through new educational technologies.







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*The program in Teaching Physical Geography for High School Teachers contains the most complete and up-to-date program on the market”*

## Module 1. Physical Geography

- 1.1. The Planet Earth
  - 1.1.1. The Shape of the Earth
  - 1.1.2. Earth and the Solar System
- 1.2. Terrestrial Structure and Dynamics
  - 1.2.1. Introduction
  - 1.2.2. The Structure of Earth
  - 1.2.3. Terrestrial Dynamics
- 1.3. Structural Terrain
  - 1.3.1. Ocean Basins
  - 1.3.2. Landmasses
  - 1.3.3. Structural Terrain of Sedimentary Basins
  - 1.3.4. Appalachian Terrain
  - 1.3.5. Faulted Terrain
  - 1.3.6. Volcanic Terrain
- 1.4. Lithological Morphologies
  - 1.4.1. Granitic Terrain
  - 1.4.2. Karst Geomorphology
  - 1.4.3. Groundwater Circulation
- 1.5. Geomorphology due to External Forces I
  - 1.5.1. External Forces
  - 1.5.2. Weathering
  - 1.5.3. Slope Dynamics
  - 1.5.4. Erosion
- 1.6. Climatic Elements and Factors
  - 1.6.1. Objectives
  - 1.6.2. Introduction
  - 1.6.3. The Atmosphere
  - 1.6.4. Climate Factors
  - 1.6.5. Climate Elements





- 1.7. The Oceans
  - 1.7.1. Marine Waters
  - 1.7.2. Ocean Currents
  - 1.7.3. Atmosphere and Ocean
- 1.8. Climate Classification
  - 1.8.1. Introduction
  - 1.8.2. Köppen Classification
  - 1.8.3. Azonal Climates
  - 1.8.4. Zonal Climates
- 1.9. Guidance for Practical Exercises on Physical Geography
  - 1.9.1. Geographic Landscape Commentary
  - 1.9.2. Commentary Models
  - 1.9.3. The Main Charts in Physical Geography
- 1.10. Techniques and Guidelines to Study Geography
  - 1.10.1. Natural Resources
  - 1.10.2. Environmental Impact
  - 1.10.3. Principal Environmental Problems
  - 1.10.4. Positions on the Problems
  - 1.10.5. Ecological Footprint
  - 1.10.6. Natural Risks



*A unique, key, and decisive experience to boost your professional development”*

05

# Methodology

This training program offers a different way of learning. Our methodology uses a cyclical learning approach: **Relearning**.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.





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Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

## 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.

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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:**

1. 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.



## 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.



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.



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.



06

# Certificate

The Postgraduate Certificate in Teaching Physical Geography for High School Teachers guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.



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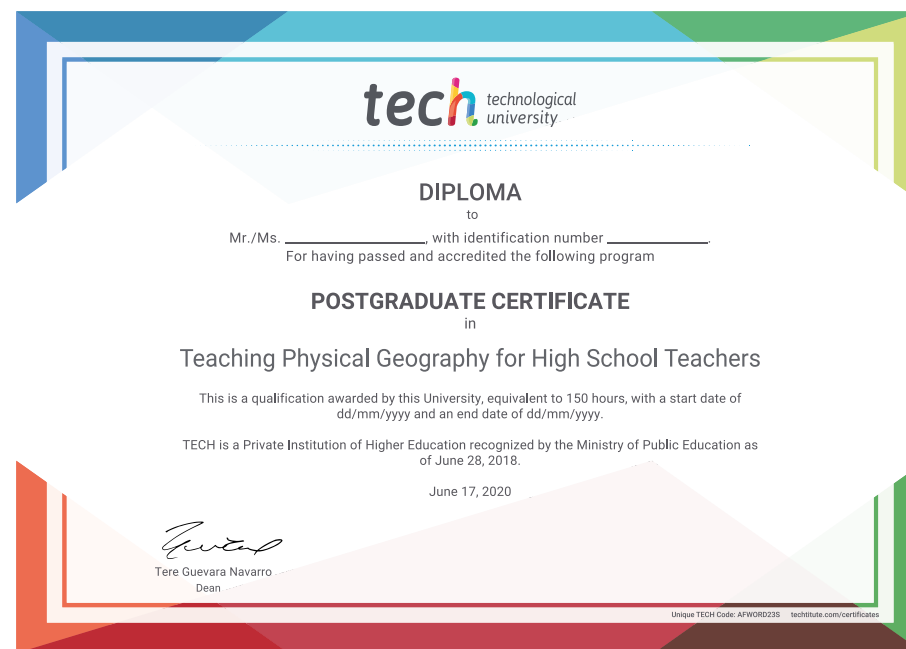
*Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork"*

The **Postgraduate Certificate in Teaching Physical Geography for High School Teachers** contains the most complete and up-to-date program on the market.

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

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

Title: **Postgraduate Certificate in Teaching Physical Geography for High School Teachers**  
Official N° of Hours: **150 h.**



\*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.

future  
health confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present  
online training  
development language  
classroom



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Teaching Physical  
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School Teachers

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