

Laura Cascos Cacho

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Profile

A qualified and experienced Science Teacher who takes pride in her ability to maximise each pupil's learning by identifying and addressing their individual needs. Her teaching skills are complemented with a strong background as a Laboratory Technician.

Currently searching for a role as a Teacher Assistant in a Secondary School.

Skills

- Outstanding knowledge of Biology, Chemistry and Physics up to KS5
- Excellent knowledge and experience with practical lessons
- Passion and enthusiasm for teaching science
- Love for bringing new ideas to the school
- Enjoyment of taking on new responsibilities
- Excellent driving of new technologies
- Strong experience supporting learners with special needs
- Great organisational skills
- Commitment to be a visible model of excellence
- Superb interpersonal and teamwork skills
- Strong willingness to keep improving and gaining up to date knowledge
- Great experience working in multicultural environments
- Energetic and positive attitude
- Commitment with the school's success

Employment History

November 2014 - currently

The John Roan School, United Kingdom
School Science Technician

Science Technician in a specialist school in science providing technical support to teachers and their students for their practical lessons.

- Working as a part of a school team
- Providing practical lab equipment to Biology, Chemistry and Physics up to KS5
- Planning workload in advanced according with teaching timetables and availability of resources.
- Liaising with teaching staff to discuss timetables, equipment requirements and work plans according with the national curriculum
- Preparing chemicals and running trials of experiments prior to lessons
- Managing data and accuracy to set up qualitative and quantitative requirements, specially for assessed practicals
- Organising the stock of chemicals and handling with radioactivity stuff, biohazards and disposal of waste.
- Explaining to teachers and students and demonstrating experiments or how to use the equipment properly
- Ensuring that all health and safety procedures are understood and followed correctly during the lesson
- Taking part of videos and IT resources used as science syllabuses in the classroom

July 2003 - April 2014

Self-employed
Private Math & Science Tutor

Responsible for guiding the educational development of Primary, Secondary and University students.

- Teaching within designated subject areas
- Preparing and delivering ability and age appropriate curriculum
- Organizing the main contents in each subject and developing suitable syllabuses, materials and schemes of work
- Monitoring and preparing appropriate lessons for GSCE, A-level and University exams
- Collaborating with main teachers, parents and classmates to support students progress
- Supporting pupils with learning difficulties (dyslexia, ADHD and EAL)
- Working one to one and with small groups of pupils

Sept 2012 - Dec 2012

Octavio Paz Secondary School
Supply teacher

Responsible for teaching Biology and Geology to secondary school students. In charge of organizing classes and responding to the strengths and needs of students during the lessons.

- Working in accordance with the school's curriculum statement and policies
- Monitoring and assessing the pupil's progress
- Participating in the development of appropriate syllabuses and materials of works
- Planning and managing practical lessons in the lab
- Coordinating big groups of pupils
- Preparing weekly tests and examinations to check the pupil's improvement
- Providing support and private overtime meeting with the students
- Working with the Science Department

Jan 2012 - Aug 2012

Inmunotek

Lab technician

Responsible for manufacturing products and drugs for allergy and immunology for human and veterinary pathologies.

- Manufacturing Anti-allergic and customized bacterial vaccines for parenteral injectable or sublingual administration
- Working and checking Quality Control Process
- Designing and organizing a work planning to achieve the commitments of time and production
- Elaborating bacteria, fungi and acarus cultures
- Studying, examination, analysing and identifying pathogen microorganisms
- Constructing, maintaining and operating laboratory equipment
- Carrying out routine task accurately and following strict analytic methodologies
- Following and ensuring strict safety procedures and safety checks
- Researching and keeping in touch with other scientific teams about the latest technology and discoveries
- Managing disposal of waste and hazard residues

Dec 2011 - Jan 2012

Science & Technology National Museum, Spain

Science Instructor

Responsible for guiding and teaching secondary and primary students during their visit to the museum, as well as collaborating as a volunteer in science fairs and events.

- Supporting and contributing to the successful operation of the museum
- Organizing guided visits for students from different levels and schools and other visitors
- Collaborating to make a guidebook
- Teaching about how science and technology have been improved along the history
- Planning and developing appropriated age activities during science fairs and events
- Helping to preserve and look care museums artefacts

Dec 2009 - July 2010

Universidad Complutense de Madrid

Lab technician and researcher

Responsible for researching the effects of heavy metals in growing patterns for several species of grass, with phytoremediation and environment applications. This project was managed by the University of Madrid and CSICCCMA (Centre of Scientific Research and Environmental Science Centre).

- Planning and design schemes of work
- Planting and collecting the samples, working both in laboratories and out in the field
- Analysing, evaluating and unravelling the recording results
- Working with large amount of data and reports
- Archiving and presenting the data in a concise and accessible manner using IT tools
- Preparing material and equipment for other lab workers
- Staying current on the latest technology and scientific discoveries
- Keeping in touch with other researchers and institutions around the world

Dec 2006 - July 2009

Tumour Immunology Department, La Paz Hospital

Lab technician and Researcher

Working as a lab technician for several doctorate and PhD tumour immunology projects and researching on cloning in pcDNA 3.1+ of NFkB2 (p100) transformation protein and expression in E.coli.

- Design and perform the experiments and preparing technical reports
- Working in Genomic and Proteomic projects
- Working with biological and chemical hazards in the laboratory
- Working in team with professional people from several fields
- Developing competences and acquirements on Clinical Immunology and Molecular Biology
- Keeping current with this field and interacting with fellow immunology scientists
- Handling on high-tech instruments and equipment
- Enrolling with modern theories, techniques and procedures in Molecular Biology
- Staying current on the latest techniques and discoveries
- Attending to courses and conferences about this subject

Education

25th September 2014

QTS

Teacher Reference Number: *1549080*

Oct 2011 – Sept 2012

Universidad Nacional de Educación a Distancia

Master's Degree in Integrated Systems of Quality Management, Environment, R&D and Working Risks, Faculty of Economics.

Nov 2011

Universidad Alcalá de Henares

CPD Formation for EU Teachers, Faculty of Law

Sept 2010 – July 2011

Universidad Alcalá de Henares

Master's Degree in Compulsory Secondary School, Baccalaureate, Vocational Education and Language Teacher Training, Majoring in Biology and Geology, Faculty of Science

Sept 2004 – Feb 2010

Universidad Complutense de Madrid

Degree in Biochemistry, Faculty of Biology & Chemical Science

Additional Information

Languages

English (fluent)
Spanish (native)

Drive Licence

Category B

References