

# Menka Stojanova

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Ludwigstrasse 89  
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Germany

## Content Creator, Science and Maths Tutor experienced in Research and Teaching

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PhD in Physics with two years experience working as Teaching Assistant in primary schools. Creates scientific and educational content for workshops, tutoring sessions and websites for children. Tutors Maths, Science and French from primary to undergrad. Self-driven, thorough and creative.

## Skills

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- Creating age-appropriate engaging teaching resources
- Linking Maths to Science and everyday life
- Explaining and illustrating Maths and Science concepts
- Excellent research and analysis skills
- Responsible, self-motivated and good communicator
- Collaborating with people with different personal and professional backgrounds
- Graphic and website design, video mounting : basic level
- Programming: C++, Matlab

## Languages

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English: highly proficient • French: native-like • Spanish: fluent • Macedonian: native

## Experience

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Sept. 2020 – Jul. 2021

School21, London, UK

Sept. 2019 – Jul. 2020

Coppermill Primary School, London, UK

### SEN Teaching Assistant, KS1-2

Supported children with behaviour problems, learning difficulties, ASD and/or Fetal Alcohol Syndrome. Organised small group learning sessions for Mathematics and Phonics, and created fun and engaging resources. Planned and taught science lessons, organised the science club.

Jul. - Aug. 2019 & Aug. 2020

Debate Chamber Summer School, London, UK

### Science and Mathematics Tutor

Lead engaging and challenging Mathematics and Science lessons for groups of KS4-5 students. Planned and conducted lessons, designed experiments and improved existing worksheets.

Aug. 2018 – now, freelance

Viña del Mar, Chile and London, UK

### Private Tutor in Science, Mathematics and French

Tutoring KS2-KS5 students, creating engaging content with focus on mastery. Conducted personalised French lessons with authentic materials for teenagers and young adults. Tutored undergraduate students in Mathematics and Physics.

Aug. 2018 – Dec. 2018, part time

Nat. History Museum, A.Fenix Primary School,  
and Cultural Park, Valparaíso, Chile

### Creator of Science Workshops for Children

Designed, mounted, and conducted playful science experiments for school and family groups with children 4-12 y/o. Instigated institutions to fund and host the events. Created and maintained a web site listing science experiments for primary schools.

May. 2017 – Jul. 2018, part time

University Adolfo Ibáñez, Chile

**Research Associate in Physics. Optimising fog-catchers.**

Used image analysis to study the mist flow in the vicinity of a thread. Designed and analysed experiments for the development of an efficient fog catcher, manufactured prototypes.

Apr. 2016 – Feb. 2016

Pontifical Catholic University of Valparaíso, Chile

**Research Associate in Physics. Numerical modelling of impact on grain layers.**

Used C++ simulations to model the crater formation in a layer of grains. Studied the influence of the projectile's properties on the dynamics of the crater's formation.

Oct. 2012 – Dec. 2015

University Claude Bernard, Lyon, France

**PhD student. Statistical properties of fracture and earthquakes.**

Mounted and analysed experiments on subcritical fracture propagation through paper. Analysed images and acoustic data. Developed a new statistical method for studying earthquake magnitudes.

**University Tutor in Physics and Programming, 64h/year**

Tutored groups of undergraduates in mechanics, programming and electromagnetism. Wrote and graded exam questions and modified the curriculum.

## Volunteering

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since Mar. 2020, 4h/week

**Creator of digital content for children**

[naukazadeca.mk](http://naukazadeca.mk) a free website with science resources for children, Macedonia

Writing and illustrating articles on scientific experiments for children. Translating existing scientific content from English and French to Macedonian.

Aug. 2019 – Jul. 2021 2 h/week

East London Art Club, St Margaret's House, London, UK

**Art Club Host**

Hosted a weekly art club for amateur artists. Coordinated the venue, managed art supplies, and maintained a welcoming atmosphere within the group.

Jan. 2019 – Mar. 2019, 10 h/week

Library Libro Alegre, Valparaíso, Chile

**Volunteer in a Children's Library**

In charge of reception of the public, reading with children, books repair and inventory.

Jan. 2014 – May. 2014, 8 h/week

Primary School Jacques Prévert, Villefranche-sur-Saône, France

**Science Teaching Assistant**

Planned and co-led experimental science lessons for a year 6 class.

## Qualifications

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2015 PhD in Physics

Institute of Light and Matter and University Claude Bernard, Lyon, France

2012 MSc in Physics 1st class

University Claude Bernard, Lyon, France

2010 BSc in Physics

University Paul Sabatier, Toulouse, France