

# SCHOOL OF CREATIVE SOLUTIONS

*To meet future challenges, young people must learn to solve problems for which there are no ready-made strategies. Let's use the potential of youth and turn school into a place of creative solutions.*

## THE VISION

a „School of Creative Solutions“ ...

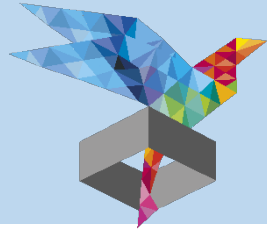
- ✓ educates students who look forward to the future with confidence.
- ✓ has teachers in its ranks who take on current challenges with student teams.
- ✓ is a think tank for innovative solutions and is in exchange with the S.C.S. school network.



## OUR GOALS

a „School of Creative Solutions“ ...

- ✓ increases the creative problem-solving skills of young people and teachers.
- ✓ establishes creative spaces for action and solutions in her school.
- ✓ implements innovative ideas in the focus of the Sustainable Development Goals.
- ✓ offers Creative4Science courses for their students.



# SCHOOL OF CREATIVE SOLUTIONS

## THE S.C.S.-CERTIFICATE

### THE WAY

The path to the School of Creative Solutions leads through **2 training modules**:

**Module-1:** University course  
*"flex-based Learning"*

**Module-2:** University course  
*"innovative problem solving"*

Both modules can also be attended independently of each other.



### CRITERIA

- ✓ Teachers who have completed the flex-based learning and innovative problem solving module teach at the school.
- ✓ Conduct STEM projects with innovative problem solving at regular intervals.
- ✓ Making the projects visible in the school area (school homepage, etc.) as well as on the S.C.S. homepage.
- ✓ The certificate is valid for 3 years and can then be re-applied for.

### THE TARGET GROUP

Teachers, ....

- ✓ ... who teach biology, chemistry, computer science, mathematics or physics at secondary level I and II.
- ✓ ... who want to teach in an innovative and competence-oriented way.
- ✓ ... who want to teach their young people creative problem solving with new teaching techniques.
- ✓ ... who want to carry out exciting and interesting experiments.
- ✓ ... who would like to become part of a nationwide community.



### OUR CONTENTS

- Didactic concepts for the diagnosis and promotion of creative problem-solving competence
- Concrete teaching techniques and experiments for science lessons
- Techniques to strengthen team processes and self-efficacy

### ORGANISATIONAL

- Course with 9 ECTS in two semesters
- Alternating input and implementation phases
- Presence and online appointments
- Year-round support in implementing the new techniques in their own teaching

### REGISTRATION

<https://ph-ooe.at/lehrgang-anmeldung>

01 March 2022 until 18 June 2023

**For questions please mail to:**

[jakob.templ@ph-ooe.at](mailto:jakob.templ@ph-ooe.at)

## TIMELINE

<b>Input-Phase 1</b>	Mo. 25.09.23	15:00 – 17:30	Online
	Mo. 02.10.23	15:00 – 17:30	Online
	Mo. 09.10.23	09:30 – 20:30	Presence
	Di. 10.10.23	09:00 – 13:00	Presence
<b>Implementation phase 1</b> Winter semester 23/24			
1. Team reflection	Mo. 04.12.23	15:00 – 17:30	Online
<b>Input-Phase 2</b>	Mo. 15.01.24	14:30 – 18:00	Online
	Mo. 22.01.24	14:30 – 18:00	Online
	Mo. 29.01.24	09:30 – 20:30	Presence
	Di. 30.01.24	09:30 – 13:00	Presence
<b>Implementation phase 2</b> Summer semester 24			
2. Team reflection	Mo. 15.04.24	15:00 – 17:30	Online
<b>Degree</b>	Mo. 17.06.24	15:00 – 18:00	Online

## DESCRIPTION

The course includes both face-to-face workshops (at the Upper Austrian University of Teacher Education) and online meetings (Zoom).

### Input phases

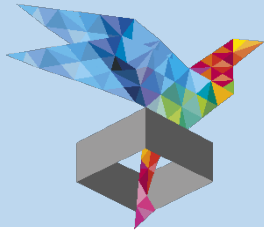
The two input phases take place in autumn and spring. Central elements are:

- ✓ e-lectures with reflection phases (Online)
- ✓ Workshops (presence and online)

### Implementation phase

The implementation phases in the winter and summer semesters include the following elements:

- ✓ Use flex-techniques in your own teaching
- ✓ Reflections on the experience gained



# University course "Innovative Problem Solving"

School as a think tank for creative solutions

## THE TARGET GROUP

Teachers, ...

- ✓ ... of all subjects in lower and upper secondary education as well as middle management
- ✓ ... who are interested in creativity techniques to develop innovative ideas professionally.
- ✓ ... who enjoy taking on STEM challenges at school.
- ✓ ... who want to know how to plan and implement creative projects with young people.
- ✓ ... who are committed to the "Sustainable Development Goals".



## OUR CONTENTS

- Creativity techniques
  - Morphological box
  - Irritant word associations
  - Bisociation
  - Passla technique
- Creative project management
  - Design Thinking
  - Dragon Dreaming

## ORGANISATIONAL

- Course with 9 ECTS in two semesters
- Presence and online appointments
- Year-round support in implementing the new techniques in their own teaching

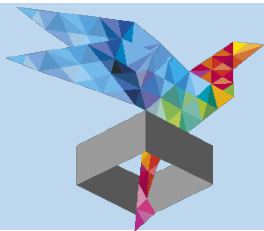
## REGISTRATION

<https://ph-ooe.at/lehrgang-anmeldung>

01. März 2022 bis 18. Juni 2023

**For questions please mail to:**

[kurt.haim@ph-ooe.at](mailto:kurt.haim@ph-ooe.at)



# University course "Innovative Problem Solving"

## TIMELINE

<b>1. Presence-Phase</b> Health Resort Lebensquell Bad Zell	Do. 21.09.23	09:30 – 21:30
	Fr. 22.09.23	09:00 – 21:30
	Sa. 23.09.23	09:00 – 12:30
<b>Reflection meeting</b> (online)	Do. 19.10.23	14:30 – 17:30
	Do. 30.11.23	14:30 – 17:30
<b>2. Presence-Phase</b> Health Resort Lebensquell Bad Zell	Do. 29.02.24	09:30 – 21:30
	Fr. 01.03.24	09:00 – 21:30
	Sa. 02.03.24	09:00 – 12:30
<b>Reflection meeting</b> (online)	Do. 04.04.24	14:30 – 16:00
	Do. 09.05.24	14:30 – 16:00
<b>Action day</b> at school	April 2024	08:00 – 12:30
<b>Degree</b> (online)	Mo. 17.06.24	16:00 – 18:00

## Creative<sup>4</sup>Innovation-Courses

For the implementation of the course content with student teams, we recommend holding a course lasting several weeks.



## GEMMMA Challenge

10 selected school teams are introduced to the world of social entrepreneurship and supported in the implementation of their projects.

## Milestones

- ✓ Young people learn proven creativity techniques.
- ✓ Student teams choose a project for their problem solving.
- ✓ A prototype is created using design thinking.
- ✓ Presentation of the prototypes
- ✓ Optional implementation of solution ideas in cooperations