



coMics and IllustRations Augmented to tackle CLimate change in primary Education



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Project Title: “coMics and IllustRations Augmented to tackle Climate change in primary Education”

Acronym: MIRACLE

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Work package n°2 - MIRACLE Sustainability Mindset in European Schools

Result 2: Teacher Training Activity C1

Leading Organisation: Maria Regina College SPB Primary (E10198033-MT)

Participating Organisations: CLEVERBOOKS LIMITED (E10057814-IE)

PARAGON-eduTech

JAITEK TECNOLOGÍA Y FORMACIÓN SL
(E10114638-ES)

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Teacher Training Activity (TTA1)

Leading Organization Maria Regina College SPB Primary
Date 26-28 January 2024
Venue Triq L-Iskola, San Pawl il-Bahar, Malta



Contact Persons

Mark Azzopardi, Assistant Head of School
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Information for Participants

Nearest airport: [Malta International Airport](#)



Aim and Objectives

The aim of the Teacher Training Activity (C1) within MIRACLE's Work Package 2 is to empower educators with the necessary knowledge and skills to effectively integrate climate change science-based lesson planning into their teaching practices. This training endeavors to create a transformative learning environment, fostering a cohesive "green" culture within schools. By focusing on upskilling teachers in digital literacy, sustainability education, and the facilitation of whole-class co-creation, the objective is to not only enhance classroom practices but also address eco-anxiety and eco-pessimism among students. The training aims to instill critical thinking and media literacy skills, enabling teachers to guide students in overcoming feelings of overwhelm and fear. Ultimately, the training seeks to establish a collective commitment to environmental sustainability, providing educators with the tools to act as agents of change within their school communities.

Objectives:

Action-Based Climate Change Education:

Equip teachers with the skills to effectively support and implement an action-based Climate Change Education Curriculum.

Digital Literacy Enhancement:

Enhance the digital literacy of both teachers and pupils through interactive workshops and hands-on activities.

Whole-Class Co-Creation:

Facilitate whole-class co-creation in learning and teaching, encouraging collaborative content development among teachers and students.

Addressing Eco-Anxiety and Eco-Pessimism:

Guide teachers in identifying and addressing eco-anxiety and eco-pessimism among students, fostering critical thinking and media literacy skills.

Cohesive Teaching & Learning Green Culture:

Establish a cohesive teaching and learning "green" culture within schools, promoting environmental sustainability.

Comprehensive Curriculum Understanding:

Enable staff to gain a bird's-eye view of all curricula, linking them to multilingual results and aligning with the goals of WP2.

Whole-School Collaboration:

Ease collaboration at the whole-school level by sharing outputs with parents and the community, visually communicating the project's vision.

Differentiated Planners:

Support differentiated planners between partners, recognizing unique needs while ensuring alignment and unity in the overall project direction.



TTA1 Agenda

Day 1: Friday 26, 2024

Time	Agenda Item/Presenter Responsible Partner	
10:00 – 10:30	Welcome and Opening Remarks Mark Azzopardi, Maria Regina College SPB Primary (MRC)	
10:30 – 12:00	Session 1: Collaborative Scenario Exploration and Evaluation Workshop	
10:30 – 11:00	Scenario 1 ‘Let’s eliminate fake’ , Chantelle Cilia, Alessia Deguara, Maria Dolores Borg MRC SPB	
11:00 – 11:30	Scenario 2 “CO2 goes on diet”, Maja Sokač, Sanda Mijalić, Maja Franković, OSTB	
11:30 – 12:00	Scenario 3 “Abiotics factors” Paulo Ramalhoto, AETA	
Description: In Session 1 of Day 1, a representative from each partner school will present the educational scenario developed by the partner school within the R1 THE MIRACLE TOOLKIT (Booklet #5).		
12:00 – 13:00	Lunch Break	MRC
13:00 – 14:30	Session 2: Scenario Assessment and Collaboration Workshop Participants engage in small groups to explore and evaluate educational scenarios. Review of Scenario 2 developed by OST Group 1: MRC, JAITEK Review of Scenario 3 developed by AETA Group 2: UoM and OST Review of Scenario 1 developed by MRC Group 3: CLB, PARAGON-eduTech and AETA	
14:30 – 14:45	Coffee Break	MRC
14:45 – 16:30	Session 3: Synthesis Session - Consolidating Scenario Review Insights Plenary discussion on key insights from scenario evaluations. A representative of each group presents the findings of the review to the plenary	



14:45 – 15:00	Scenario 1
15:00 – 15:15	Scenario 2
15:15 – 15:30	Scenario 3
15:30 – 16:30	Forward-Looking Dialogues - Envisioning Future Impacts
Description: <p>In this third session of the first day, participants will meet for a comprehensive plenary discussion, marking the culmination of the collaborative exploration and evaluation of scenarios. The session is designed to consolidate the key insights gathered from the three training scenarios examined. Representatives from each group will take to the stage to present their findings to the plenary session, offering a wide range of perspectives and analysis. The primary objective is to promote a collective understanding of the strengths, challenges and innovative elements identified in the examination of the scenarios. Through this synthesis session, participants will contribute to a holistic understanding of the training scenarios, paving the way for the robustness of the piloting and validation that follows.</p> <p>Forward-Looking Dialogues - Envisioning Future Impacts</p> <p>The closing segment of Session 3 will be dedicated to forward-looking dialogues, providing participants with the opportunity to collectively envision the future impacts and potential advancements resulting from the insights gained during the scenario reviews. Participants will engage in a reflective discussion, exploring the broader implications and applications of the reviewed scenarios within the context of the MIRACLE project's overarching goals. This forward-thinking dialogue aims to inspire collaboration, innovation, and a shared vision for the future of climate change education in diverse educational settings.</p>	
19:30	<i>Harmony Dinner - Cultivating Connections and Collaboration</i> <i>La Nave Bistro, Triq it-Trunciera, St. Paul's Bay</i> <i>https://maps.app.goo.gl/HsLyR9BCtFg6RScy9</i>



Day 2: Saturday 27, 2024

Time	Agenda Item/Presenter Responsible Partner	
10:00 – 10:30	Arrivals and Workshop Preparation Mark Azzopardi, Maria Regina College SPB Primary (MRC)	
10:30 – 12:00	Session 1. Digital Literacy Boost Facilitator: Ġorġ Mallia -, UoM Workshop on effective use of comics-creation tools for climate change education. Hands-on activities to improve skills and integration into lesson planning.	
Description: Day 2 starts with an interesting workshop led by Ġorġ Mallia from the University of Malta, focusing on the development of comics in the context of climate change education. This hands-on session is designed to empower participants with effective strategies for creating physical and digital comics in their courses in alignment with the objectives of MIRACLE Work Package 2. Participants will be immersed in practical activities aimed at enhancing their skills by exploring innovative approaches to harnessing technology for effective climate change education. The workshop is structured to provide practical insights, ensuring that teachers will gain the confidence and ability to navigate the necessary landscape and enrich their teaching practices.		
12:00 – 13:00	Lunch Break	MRC
13:00 – 13:50	Session 2: Co-Creation Techniques Facilitator: Nuri De Pablo, JAITEK Peer-led session on fostering whole-class co-creation in learning. Practical exercises for collaborative content development.	
13:50 – 14:00	Coffee Break	MRC
14:00 – 14:50	Session 3: Addressing Eco-Anxiety and Green Culture Building Facilitator: Nancy Pyrini, CLB Expert-led discussion on identifying and addressing eco-anxiety among students. Strategies for creating a supportive and positive learning environment.	



14:50 – 15:00	Coffee Break	MRC
15:00 – 15:45	Session 4: Pilots and Validation Workshop - Navigating Educational Scenarios in Practice Facilitator: George Sarrigeorgiou, PARAGON-eduTech	

Description:

This workshop aims to enhance participants' ability to navigate the intricacies of future piloting and validation, ensuring the successful integration of climate change education in a variety of educational contexts.

This workshop will provide a hands-on exploration of the upcoming pilot implementation phase and the validation process within the MIRACLE project. Participants will delve into the practical aspects of implementing the training scenarios. The session will include an in-depth examination of the expected challenges and successes anticipated during the pilot phase, fostering collaborative discussions on effective methodologies and validation and evaluation tools.

Visit to Mdina

The visit to Mdina provides a multi-faceted learning experience, combining historical, cultural and environmental elements to enhance the overall impact of the training for MIRACLE participants

Objectives:

- **Historical and Cultural Context:** Mdina, once Malta's capital city, has a rich historical and cultural heritage. The trip therefore offers participants the opportunity to immerse themselves in the history of Malta, providing context for discussions on climate change and sustainable education.
- **Inspiration for Lesson Planning:** The historical architecture, museums, and cultural sites in Mdina can serve as inspiration for developing engaging lesson plans. Participants can draw connections between historical adaptations and contemporary approaches to address climate change.
- **Site-Specific Learning:** Mdina's unique features, such as its architecture, layout, and historical landmarks, can be integrated into the training content. Participants can explore how the environment has shaped the community and vice versa, enhancing their understanding of environmental issues.
- **Experiential Learning:** Being physically present in Mdina allows for experiential learning. Participants can witness the tangible impacts of climate change and sustainable practices in a real-world context, deepening their understanding of the subject matter.
- **Networking and Collaboration:** The trip offers an informal setting for participants to interact and collaborate outside of the training sessions. Building relationships during the trip can enhance teamwork and collaboration throughout the training program.
- **Cultural Sensitivity:** Exposure to Mdina's culture and community practices fosters cultural sensitivity among participants. Understanding the local context is crucial when developing educational materials and strategies for diverse audiences.
- **Environmental Awareness:** Mdina's surroundings may provide a backdrop for discussions on environmental conservation and sustainable practices. Participants can witness firsthand the importance of preserving historical and natural heritage in the face of climate change.
- **Personal Growth:** The experience of exploring Mdina can contribute to participants' personal growth, expanding their perspectives and fostering a sense of global citizenship. This broader worldview can positively influence their approach to teaching and learning.
- **Enhanced Motivation:** The trip can serve as a motivational factor, sparking enthusiasm and a renewed commitment to the goals of the MIRACLE project. Experiencing the



real-world implications of climate change can strengthen participants' resolve to make a positive impact through education.

<i>16:00 – 16:30</i>	<i>Pick up and drive to Mdina</i>
<i>16:30 – 18:30</i>	<i>Guided Walking Tour of Key Landmarks:</i> <ul style="list-style-type: none">● <i>Mdina Gate</i>● <i>Vilhena Palace</i>● <i>St. Peter's Church & Monastery</i>● <i>Cathedral of Saint Paul</i>● <i>Palazzo Santa Sofia</i>● <i>Carmelite Church & Convent</i>● <i>Palazzo Falson</i>● <i>Bastion Square</i>
<i>18:30 – 20:30</i>	<i>Working Dinner</i> <i>Il-Veduta Restaurant</i> <i>Discussion on Mdina's Environmental Challenges</i>
<i>20:30</i>	<i>Exploration of Sustainable Practices in Heritage Preservation</i> <i>Walk to the bus</i> <i>Departure and return to Saint Paul Bay</i>



Day 3: Sunday 28, 2024

Visit to Gozo

The Gozo trip will enhance participants' understanding of sustainable practices, broaden their cultural awareness, and create a memorable and impactful learning experience.

Objectives:

- **Cultural Exposure and Inspiration:** Exploring Gozo offers participants exposure to a different cultural setting within Malta. The rich history and unique traditions of Gozo can inspire educators, providing them with fresh perspectives for integrating diverse cultural elements into their teaching practices.
- **Biodiversity and Sustainability Focus:** Gozo's natural landscapes and commitment to sustainability initiatives present an opportunity for participants to witness first-hand the importance of environmental conservation. Learning about Gozo's biodiversity and sustainability practices aligns with the MIRACLE project's focus on climate change education and environmental awareness.
- **Interactive Learning Opportunities:** Visiting educational sites on Gozo, such as nature reserves, sustainable farms, or cultural heritage spots, allows participants to engage in hands-on learning experiences. Interactive activities related to climate change, biodiversity, or sustainable practices can be incorporated, enhancing the training's effectiveness.
- **Networking and Collaboration:** The trip provides an informal setting for participants to interact and collaborate outside of the training environment. Shared experiences during the Gozo visit can strengthen the sense of community among participants, fostering lasting connections and potential future collaborations.
- **Integration with Training Themes:** Tailoring the Gozo trip to align with specific themes of the MIRACLE project, such as sustainable practices, environmental education, or cultural diversity, ensures that the visit directly complements the overall training objectives.
- **Reflective Sessions:** Designated reflective sessions during the Gozo visit allow participants to discuss insights gained and brainstorm ideas for integrating these experiences into their teaching practices.

	<i>The programme is designed to balance cultural exploration, historical knowledge, exposure to sustainability and interactive learning. Timing and locations can be adjusted by agreement between participants.</i>
09.20	Pick up to Gozo ferry
10.15	Departure to Gozo Ferry Crossing to Gozo and Brief Introduction and Overview of the Day's Itinerary
10:45 – 12.00	Guided Tour of Victoria and Cittadella - Gozo's Capital City
12:15 – 13:30	Departure to Qbajjar Salt Pans and Lunch at Odyssey Marsalforn
14:45 – 16.15	Ġgantija Temples, a UNESCO World Heritage Site
16:15 – 16.45	Pick up and drive to the Port
17:00	Ferry Ride back to Malta and Saint Paul's Bay



L-Università
ta' Malta



Maria Regina College
St. Paul's Bay Primary



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