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United Nations Institute for Training and Research

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CIFAL Miami - Steam Weather Day

People

Deadline: 6 Feb 2025

Type:	Side Event
Location:	Miami, United States of America
Date:	12 Feb 2025 to 13 Feb 2025
Duration:	1 Days
Programme Area:	Decentralize Cooperation Programme
Website:	https://cifalmiami.org/
Price:	\$0.00
Event Focal Point Email:	CIFALMIAMI@OAAUSA.ORG
Partnership:	CIFAL Miami, , Florida International University

BACKGROUND

STEAM Weather Day is a one-day event that encourages, educates and celebrates elementary school age students to pursue careers in science, technology, engineering, arts, and mathematics (STEAM) through interactive exhibits, workshops, and activities.

EVENT OBJECTIVES

STEAM Weather Day supports the UN Sustainable Development Goals (SDGs) by promoting quality education (SDG 4) through hands-on STEAM learning, inspiring innovation in science and technology (SDG 9), and raising awareness of climate action (SDG 13). Through interactive exhibits and activities, the event empowers young students to explore STEAM careers, fostering skills essential for sustainable development and future global challenges.

CONTENT AND STRUCTURE

STEAM Weather Day is a dynamic, hands-on event designed to inspire elementary school students to explore careers in science, technology, engineering, arts, and mathematics (STEAM) through the lens of weather and climate. The event features interactive exhibits, engaging workshops, and live demonstrations led by experts in meteorology, engineering, and environmental science. Structured to be both educational and fun, students participate in experiments, simulations, and creative activities that highlight the impact of weather on daily life and the importance of innovation in forecasting and climate resilience.

METHODOLOGY

STEAM Weather Day uses an experiential learning approach, combining hands-on activities, interactive demonstrations, and expert-led workshops to engage students in STEAM concepts. The methodology emphasizes inquiry-based learning, allowing students to explore weather and climate topics through experiments, real-world simulations, and creative problem-solving tasks. By integrating collaborative learning and storytelling, the event makes complex scientific concepts accessible and fosters curiosity, critical thinking, and a deeper understanding of the role of STEAM in everyday life.

TARGETED AUDIENCE

elementary and middle school students from 18 Miami-Dade County schools.

The target audience for STEAM Weather Day includes elementary school students (grades K-5), educators, and parents. The event is designed to inspire young learners to explore science, technology, engineering, arts, and

mathematics (STEAM) through engaging, hands-on experiences. Additionally, it provides teachers with innovative educational tools to enhance classroom learning and encourages parental involvement in fostering curiosity and STEM-related career aspirations in children.