

## Children of Conflict: Shaping the Future With Drones



*Students taking part in drone flights guided by a drone expert from Philippines Flying Labs*

OVERVIEW	
<b>Flying Labs</b>	Philippines Flying Labs
<b>Location</b>	Bgy Piagapo and Munai, Lanao del Sur and Lanao Del Norte
<b>Date</b>	October 10-11, 2024
<b>Length (number of days)</b>	2 days
<b>Sector program (optional)</b>	<a href="#">YouthRobotics</a>
<b>Format</b>	In-Person
<b>Co-organizer if applicable</b>	None
<b>SDGs</b>	<a href="#">GOAL 4: Quality Education</a> <a href="#">GOAL 5: Gender Equality</a>

SCOPE & OUTCOMES	
<b>Type of training</b>	1. Introduction training to drones.

	2. Youth/STEM training.
<b>Goal of the training</b>	<ol style="list-style-type: none"> <li>1. To create drone awareness.</li> <li>2. To train and empower youth and the workforce of the future.</li> <li>3. To stimulate the youth to pursue STEM education.</li> </ol>
<b>Expected outcome for participants</b>	<ul style="list-style-type: none"> <li>● To learn the basics of drone parts and systems, how to operate a drone, and gain confidence in flying it independently.</li> <li>● To learn about the ethical use of drones and how they can help in their future career path.</li> </ul>
<b>Confirmed outcome after training</b>	The participants felt empowered as they learned how to fly a drone, a piece of equipment they had only seen on social media. They also realized that they could do more science-related learning, with some expressing their desire to become engineers after the training.
<b>Eventual next steps</b>	To conduct more training in this part of the country where children grew up in conflict areas.

PARTICIPANTS	
<b>Profiles and number of participants</b>	<ul style="list-style-type: none"> <li>● Staff from organizations - Remote Area Medical Volunteers/Philippines Flying Labs</li> <li>● Staff from Government - local community leaders</li> <li>● Professionals - teachers of the participants</li> <li>● 20 school children between 12 - 17 years old (10 participants per cohort)</li> </ul>
<b>Name of participants' organizations</b>	Communities of Bgy Piagapo and Munai, Lanao del Sur, and Lanao Del Norte.
<b>Gender ratio</b>	56% Female : 44% Male
<b>Who paid for the training?</b>	Free training by Philippines Flying Labs.

CONTENT	
<b>Training components</b>	<ol style="list-style-type: none"> <li>1. Introduction of Philippines Flying Labs.</li> <li>2. Q&amp;A with participants on what they know about</li> </ol>

	<p>drones.</p> <ol style="list-style-type: none"> <li>3. Basic introduction to the history and development of drone technology.</li> <li>4. Discussion on the ethical use of drones.</li> <li>5. Briefing on safety measures when operating drones.</li> <li>6. Introduction and hands-on discussion on the drone to be used, in this case, DJI Mavic pro.</li> <li>7. PFL pilot demonstrating how to turn on and operate the drone.</li> <li>8. Participants were given 5-10 minutes to fly the drone on their own and to do simple maneuvers (yaw, up and down, making a square figure).</li> <li>9. Participants feedback on their experience while flying the drone.</li> </ol>
<p><b>Training resources used</b></p>	<p>Stock knowledge of our pilot who has been training professionals for drone pilot licensing.</p>
<p><b>Approaches and methods used</b></p>	<ul style="list-style-type: none"> <li>● Since the participants were children, our trainers made it very laid back and casual to make them more relaxed. It was a very small group so the participants were able to do lots of hands-on opportunities (checking the rotors, changing the batteries, etc).</li> <li>● The participants were given 5 minutes of flying time where they were able to turn on the drone and do simple maneuvers which included flying in a rectangular pattern.</li> <li>● Participants realized that drones have lots of uses that can be useful for them like in agriculture and mapping their remote villages.</li> </ul>