

Date	Content
<b>DAY 1</b> <b>(24 March)</b>	<p><b>10:00 – 12:00: Theoretical Framework of STEM and E-STEM Education</b></p> <ul style="list-style-type: none"> <li>▪ Introduction to E-STEM education</li> <li>▪ 21st century learning: Preparing today’s students for tomorrow’s workforce</li> <li>▪ STEM education: Importance, benefits and challenges</li> <li>▪ Environmental education and environmental literacy</li> <li>▪ Outcomes of E-STEM education</li> <li>▪ Components of successful E-STEM education</li> <li>▪ Problem-based learning, project-based learning, inquiry-based learning, place-based learning</li> <li>▪ Engineering design process and scientific inquiry</li> </ul> <p><b>12:00 – 13:00: Lunch Break</b></p> <p><b>13:00 – 15:00: Module 1: Ecosystems and Biodiversity</b></p> <ul style="list-style-type: none"> <li>• Nature Observation</li> <li>• Let's Find Out Biomes!</li> </ul>
<b>DAY 2</b> <b>(25 March)</b>	<p><b>10:00 – 12:00: Module 2: Environment and Water</b></p> <ul style="list-style-type: none"> <li>▪ Let’s Design a Water Filter</li> <li>▪ Aquaponics (Sustainable Food Production System)</li> <li>▪ Rain Harvesting</li> <li>▪ Oil Spill Solutions</li> <li>▪ Investigating Water Quality</li> </ul> <p><b>12:00 – 13:00: Lunch Break</b></p> <p><b>13:00 – 15:00: Module 3: Environment and Air</b></p> <ul style="list-style-type: none"> <li>• The Frightening Rise at Sea Level</li> <li>• Exploring Air Pollution</li> </ul>
<b>DAY 3</b> <b>(26 March)</b>	<p><b>10:00 – 12:00: Module 4: Environment and Soil</b></p> <ul style="list-style-type: none"> <li>• Erosion</li> <li>• Forest Detectives</li> </ul> <p><b>Module 5: Environment and Renewable Energy</b></p> <ul style="list-style-type: none"> <li>• Exploring Renewable Energy</li> <li>• Let’s Design with Eco-Friendly Energy</li> </ul> <p><b>12:00 – 13:00: Lunch Break</b></p> <p><b>13:00 – 15:00: Outdoor Activity (Kadıköy Belediyesi Ekoloji Yaşam Merkezi)</b></p>
<b>DAY 4</b> <b>(27 March)</b>	<p><b>10:00 – 12:00: Module 6: Environment and Waste Management</b></p> <ul style="list-style-type: none"> <li>• Design by Using Waste Materials</li> <li>• Turning Organic Waste into Compost</li> <li>• Clean Up Challenge</li> </ul> <p><b>12:00 – 13:00: Lunch Break</b></p> <p><b>13:00 – 15:00: Outdoor Activity (Forest Trip / Validebağ Korusu – depending on the weather conditions*)</b></p>
<b>DAY 5</b> <b>(28 March)</b>	<p><b>10:00 – 12:00: Sharing Good Practice and Ideas</b></p> <p>Sharing good practice and ideas for STEM integration addressing environmental education</p> <p><b>General Evaluation and Closure</b></p> <p>Discussion &amp; Feedback</p> <p>Certification of Attendance</p> <p>Closure</p>