



10th Youth Leadership PROGRAM

YOUTH LEADERSHIP PROGRAMME

(YEAR 2022-2023)

Teacher's Name : Ms. Devi Priya & Ms Nazreen

Class & Section : Year 6A

Year Level : Key Stage 2



TOPIC

CONSERVATION OF MANGROVES IN QATAR



ACTION PLAN:



The Next Generation School
Nuaija Campus
AY: 2022-23

Action Plan

Topic: Conservation of Mangroves in Qatar

Goal: Learners will be able to identify the reasons for depletion of mangroves and to raise awareness among the community for its preservation.

The Youth Leadership Program theme this year is "Researchers and Investigators". As one of the highlights of the program, learners are encouraged to explore, expand, experiment, and investigate about to protect existing mangrove forests from degradation and destruction, and to restore degraded or depleted mangrove areas.

Our research will focus in promoting United Nations Sustainability Development.




SDG13, 14 & 15

Moreover, the topic will help each child to become aware, confident and become a responsible citizen. Considering being responsible as one of the main qualities possessed by a leader, learners are assigned to different tasks to research and investigate. Rooting from here, learners will display facts and current issues and will do observations, experiments, surveys, and interviews



BIG QUESTION & SURVEYS:

1. What is special or unique about mangroves?
2. Where are mangroves found globally?
3. What is the current status of mangroves in Qatar?
4. Research on their habitat and adaptations
5. What are the main threats on Mangroves?
6. What impact does mangrove have on the economy?
7. Puzzling existence in arid climate, its habitat, how to protect and conserve them, preservation issues,
8. Vulnerability of mangroves to sea level rise in Qatar: Assessment and
9. identification of vulnerable mangroves areas.
10. Research on coastal zone management and biodiversity conservation in Qatar and regionally as mangroves and sea grass habitats are essential in supporting coastal biodiversity, productivity and fishery in coastal waters and are vulnerable to development and pollution

Report –Youth Leadership Programme AY 2022-2023	
Topic	“Researchers and Investigators- Conservation of Mangroves in Qatar
Goal	Promoting United Nations Sustainability Development Goal
Focused SDG (S)	<div style="display: flex; flex-direction: column; gap: 10px;"> <div style="background-color: #2e8b57; color: white; padding: 5px; display: flex; align-items: center;">  Take urgent action to combat climate change and its impacts* </div> <div style="background-color: #1e90ff; color: white; padding: 5px; display: flex; align-items: center;">  Conserve and sustainably use the oceans, seas and marine resources for sustainable development </div> <div style="background-color: #32cd32; color: white; padding: 5px; display: flex; align-items: center;">  Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss </div> </div> <p style="margin-top: 10px;">Qatar 2030 Vision: Environmental development</p>
Highlights of the Programme	<ul style="list-style-type: none"> To inculcate a sense of familiarity from childhood with surrounding biodiversity and its conservation, especially mangroves. To educate schoolchildren in identifying causes for the depletion of mangroves in Qatar and in the World. To encourage students to spread awareness among the community regarding mangrove conservation, its importance and restoration. <p style="margin-top: 10px;">Students are encouraged to explore, expand, experiment, and investigate on Conservation of Mangroves in Qatar linked to environmental issues and global challenges.</p>
Timeline	7th November, 2022 to 9th May, 2023
Year Level & Campus	Key Stage 2 (Year 6A) - Nuaija Campus
Supervisor	Ms. Javeria Babar

<p>Teacher(s)</p>	<p>Ms. Imaniya Muzammil & Ms. Rayees Unnisa</p>
<p>Participants</p>	<p>Students Of Class 1B</p>
<p>Procedures</p>	
<p>Key Concept 1:</p> <p>What are mangroves?</p>	<p>1. Brainstorming</p> <p>Students did research discussed on the below points:</p> <ul style="list-style-type: none"> • Key ecological functions of mangroves and how do they contribute to coastal ecosystems • Threats facing mangroves and what are the potential solutions to mitigate these threats • Mangroves contribute to climate change mitigation and adaptation • Economic benefits of mangrove ecosystems and how can sustainable practices be implemented to support local communities • Mangroves support biodiversity and what are the specific species that depend on these ecosystems <p>*Aligned with our Science Fair Projects- By student's choice and discussions with Heads, we finalized the topic of Conservation of Mangroves in Qatar!!!</p> <p>Various big questions were discussed with learners, and we finalized the following (Refer to the big question section in the report)</p>
<p>Key Concept 2</p> <p>What are the key benefits of mangroves</p> <p>SDG: 13,14,15</p>	<p style="text-align: center;">(Focusing on BIG QUESTION)</p> <p><u>Activities, Observations, Discussions and Exploration:</u></p> <p>Students were able to find out more facts and information from their observations and exploration;</p> <ul style="list-style-type: none"> • Online Videos and a Documentary was played (Mangroves in Qatar) • Students have done research on the topic and they learned in detail about the Mangroves.

	<p>Students have made a video on their research findings about Mangroves and uploaded in flipgrid. They heard the videos of each other and learned a lot about their topic.</p> <p>Link: https://flip.com/20a5ae39</p>
<p>Key Concept 3</p> <p>Community Engagement align with Qatar Vision 2030!</p>	<p>Learners were engaged with DEAP Qatar community to explore, enlighten, excel in their project and create an awareness to their community to enhance and integrate Qatar National Vision 2030 “Modernization and Preservation of Traditions with Environmental Management”.</p> <ul style="list-style-type: none"> • Community Engagement 1- Mangrove Cleanup Drive with DEAP Qatar
<p>Key Concept 4</p> <p>Final Presentation 9th May 2023 Class 6A</p>	<p>Final Presentation- Raising Awareness in 10th YLP Anniversary celebration</p> <ul style="list-style-type: none"> • MODELS • AWARENESS POSTER • VIDEO PRESENTATION (Final Video) • AWARENESS CAMPAIGNS • PLEDGE • ANIMATIONS • FLIPGRID VIDEOS • RESEARCH POSTER
<p>Learning Outcome</p>	<p>The topic about Herbs will help each child to become aware and be responsible citizen. Considering being responsible as one of the main qualities possessed by a leader, students are assigned to different tasks which made them;</p> <ul style="list-style-type: none"> • to improved their critical thinking and shown incredible improvement in expressing their ideas more confidently. • They were reflective and engaged in all the activities with related to YLP surveys. • Each child has given full effort to carry out their research and acted as a Responsible global citizen.

Brainstorming & Research



Best Clicks and Links

Students have done research on the topic and they learned in detail about the Mangroves.

Final Video Links

Flip grid Link -
YouTube Link-

SUPPORT DOCUMENTS:

1) PICTURES DURING PROCESS

Community Engagement: Mangrove Cleanup Drive with DEAP Qatar





Brochures, Posters, Animations were made by students on Mangroves



Benifits Of Mangroves

MANGROVES PROTECT SHORELINES FROM DAMAGING STORM AND HURRICANE WINDS, WAVES, AND FLOODS. MANGROVES ALSO HELP PREVENT EROSION BY STABILIZING SEDIMENTS WITH THEIR TANGLED ROOT SYSTEMS. THEY MAINTAIN WATER QUALITY AND CLARITY, FILTERING POLLUTANTS AND TRAPPING SEDIMENTS ORIGINATING FROM LAND

MANGROVES
80 Different Species!
6A

YLP TOPIC

Did you know?
Mangroves are the only species of trees in the world that can tolerate saltwater



Mangrove

SAVE THE MANGROVE

HELP PROTECT MANGROVES
Plant a mangrove tree and stop the destruction of mangroves and the animals inhabit them. By protecting you are protecting your far your food, your health and wealth

BENEFITS
Provide natural infrastructure protection nearby populated areas by preventing erosion & absorbing storm surge impacts during extreme weathers events such as hurricane

Fun fact
Mangroves are the only species of trees in the world that can tolerate salt water

Where you will find mangroves in QATAR
You can find mangroves in Al Thakira Mangroves forest purple island



Mangroves

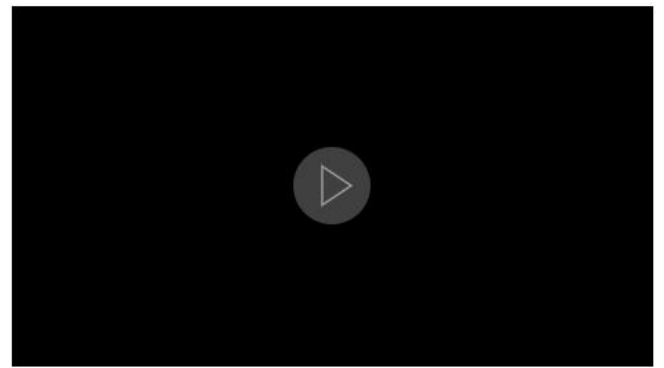
What are we gonna do to take action?

- identifying and protecting areas where coastal habitats can retreat with sea level rise
- establishing buffer zones between coastal habitats and adjacent development

WHAT WE NEED TO DO

WATER POLLUTION IS ALSO A FACT OF MANGROVES DYING. WE NEED TO STOP THROWING USELESS PIECES OF PLASTIC IN THE OCEAN. MANGROVES GIVE US DOUBLE THE OXYGEN THEN TREES!

information of mangroves in qatar
THE AL THAKIRA MANGROVE FOREST IS AMONG QATAR'S OLDEST AND LARGEST FORESTS.

Animations made by students



Awareness regarding Mangrove Conservation was done in KS1 and KS2

2) PICTURES OF COMMUNITY ENGAGEMENT

Community Engagement: Mangrove Cleanup Drive with DEAP Qatar



3) SNAPSHOTS OF FINAL VIDEO:

