



UNITED ARAB EMIRATES  
MINISTRY OF EDUCATION

# Student Guidebook

Project Based Learning and Assessment

Name:

Grade, Stream, Section:

Subject:

## Introduction

### Welcome to Project-Based Learning and Assessment (PBLA)

Project-based Learning and Assessment (PBLA) is a way of learning by doing! It is a different way of learning and getting grades than taking tests. It helps us work on solving real world problems, learn about big issues and think of new ways to make a difference. Working on projects also helps us learn important skills.

#### Through PBLA, I can:

- **explore real-world problems**
- **build important skills**
- **work well in a team**
- **be innovative**
- **show what I have learned**

#### I promise to:

- connect our projects to our community
- respect our classmates' different backgrounds and skills
- understand what our projects are about and how they will be graded
- share ideas with others
- appreciate what everyone brings to our projects
- listen to our teachers' feedback and use it to learn and get better

Student Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Description of the Project

### **Topic: Our Sustainable Neighbourhood Plan**

Essential question: What are smart and creative ideas to help build green and clean neighbourhoods in the UAE?

Final product: Design a Neighbourhood Map

### **Lesson 1**

#### **My Team and their Roles**

<b>Names</b>	<b>Roles</b>
1.	1.
2.	2.
3.	3.
4.	4.
5.	5.
6.	6.
7.	7.

**Brainstorming: My Idea:**

**What problem are we trying to solve?**

## Lesson 1 : Roles and Responsibilities

### My Goals

What do I want to do? What is my Goal?	What do I want to learn?
1.	1.
2.	2.
3.	3.
4.	4.

### My action plan

Choose 4



## **Milestone 1: Research & Inquiry**

### **Lesson 2: Sustainable cities**

**What makes a neighbourhood sustainable?**

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**Key points:**

- 1.
- 2.
- 3.
- 4.

**What makes a neighbourhood sustainable?**

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## **Research & Inquiry**

### **Thinking about my learning: Circle all that apply**

Beginning	Developing	Developed
I found it hard to find reliable sources of information.	I found some good information from my sources.	I found a lot of reliable sources. I could connect ideas between them.
I found it hard to think of research questions.	I asked some good questions to help us think about the system	I asked big questions which made the group really think hard.

**I am feeling:**



**Things I need to Improve:**

## **Milestone 1: Collaboration, Communication and Contribution /** **Problem-Solving & Critical Thinking**

### **Lesson 3: Designing neighbourhoods to be sustainable**

**How can we design neighbourhoods to stay cool?**

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**How can we design neighbourhoods to have green spaces, and be easy to get around?**

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**Sustainable design ideas. Describe the words below. How are they used?**

Renewable energy	
Air quality	
Water conservation system	

**Thinking about my learning:**

- Collaboration, Communication & Contribution
- Problem-solving & Critical thinking

**Collaboration, Communication & Contribution****Thinking about my learning: Circle all that apply**

Beginning	Developing	Developed
I only spoke a little about the project.	I gave some ideas to the group and helped to come to decisions.	I gave many original ideas and I helped organize our work.

**Problem-solving & Critical thinking****Thinking about my learning: Circle all that apply**

Beginning	Developing	Developed
I found it hard to solve the problems.  My teammates made all the decisions.	I could see some of the problems and I tried to think of ways to fix them.  Sometimes, I need help for making decisions.	I thought about different and original solutions and shared them with my team.

**Things I need to Improve:**

**Lesson 4: The best renewable energy source for desert environments.**

**How can we choose the best renewable energy source for a desert environment?**

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**What are the best renewable energy resources in the UAE.**

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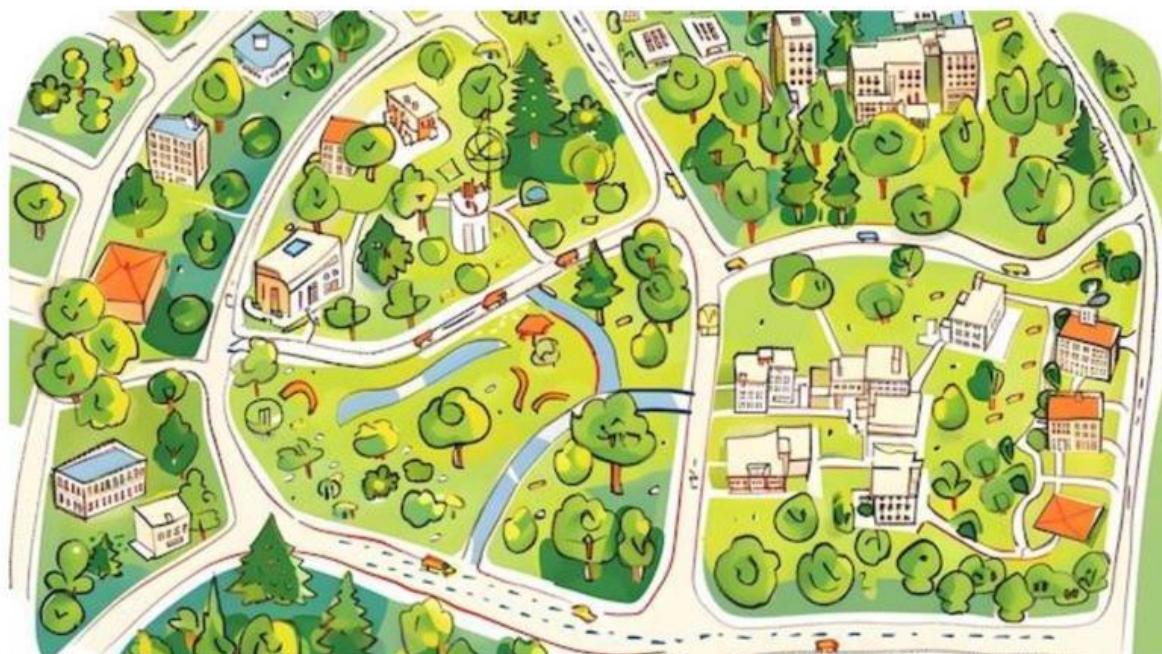
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Solar panels / Why	Wind turbines/Why
heat-resistant technology/Why	Solar energy/Why
Wing Energy/Why	Hydropower energy/Why

## Lesson 5: Sustainable Neighbourhood Plan

What will our design for our sustainable neighbourhood look like?



## **Lesson 6: Describe our design**

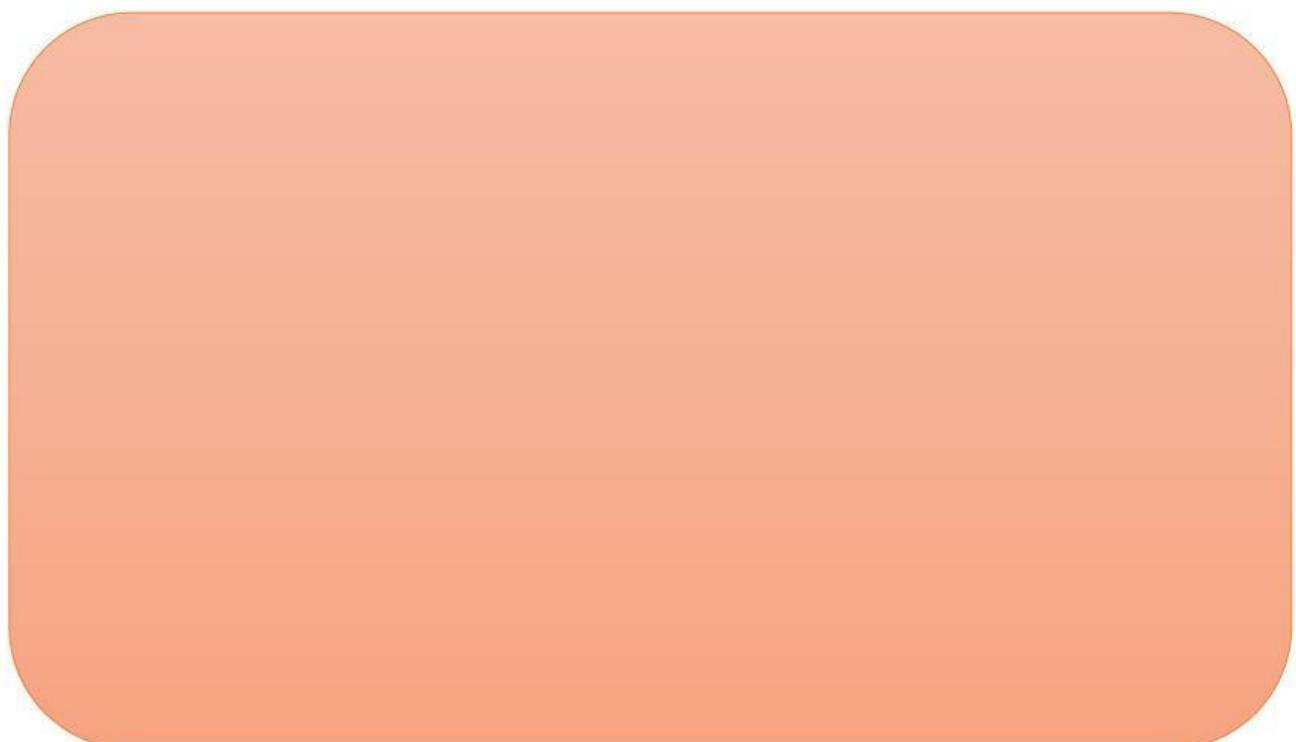
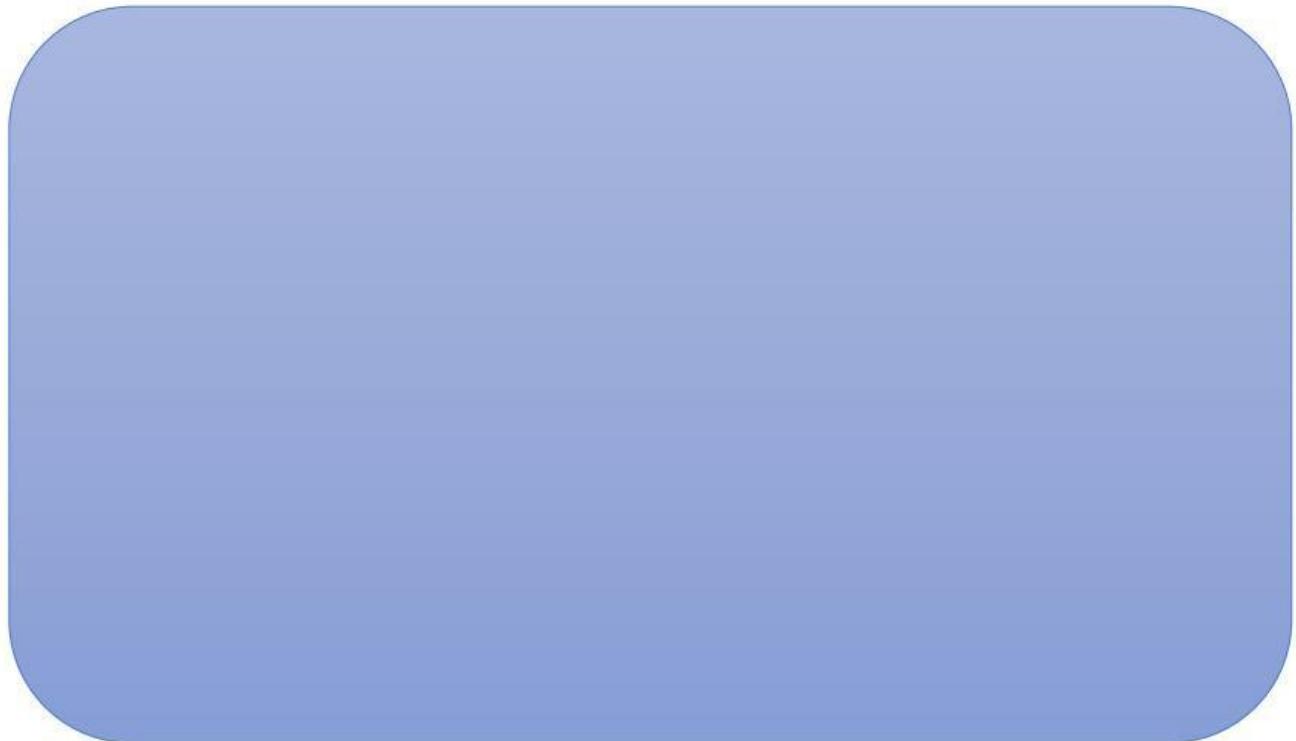
**How can we label our map effectively?**

**What is effective language to label our map with our ideas?**



## **Lesson 7: Learning presentation skills**

How can you make your presentation clear and fun?



## **Lesson 8: Reflection**

### **End of Project Reflection**

1. What did you learn about Sustainable Neighbourhoods?

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2. What was the hardest part of this project?

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3. How can you use what you learned in real life?

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**I am feeling:**



## **Milestone 2: Presentation and Reflection**

**What will be my role in the presentation?**

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**What have I learnt?**

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**How does the project connect to the real world?**

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## **Milestone 2**

**Presentation Skills: I can present well to my classmates**

**Thinking about my learning: Circle all that apply**

Beginning	Developing	Developed
I find it hard to talk in front of people.	I find it easy to talk to the class and they could understand me.	I gave many original ideas
I find it hard to explain what I learnt.	I find it easy to say something about what I learnt, and how I solved problems in the work.	I helped organize our work.

**Innovation: We used new and original ideas and our presentation was creative**

**Thinking about my learning: Circle all that apply**

Beginning	Developing	Developed
We needed ideas to make our presentation more original.	I thought we had some new and original ideas. We had some new and interesting ways to do our presentation.	We had very creative ideas. We presented our ideas in a really exciting and different way.