



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

Names	Roles
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

I feel ready for the project.

I can think of a goal, but I need some help to understand the idea

I find it hard to do this project work.

I find it hard to set my goals.

I am excited about the project,

I am ready to work hard on it.

I have a good idea of what learning goals I want to achieve.

I will try my best.

I will work as a team

I want to improve my research skills

My action Plan to improve

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?

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

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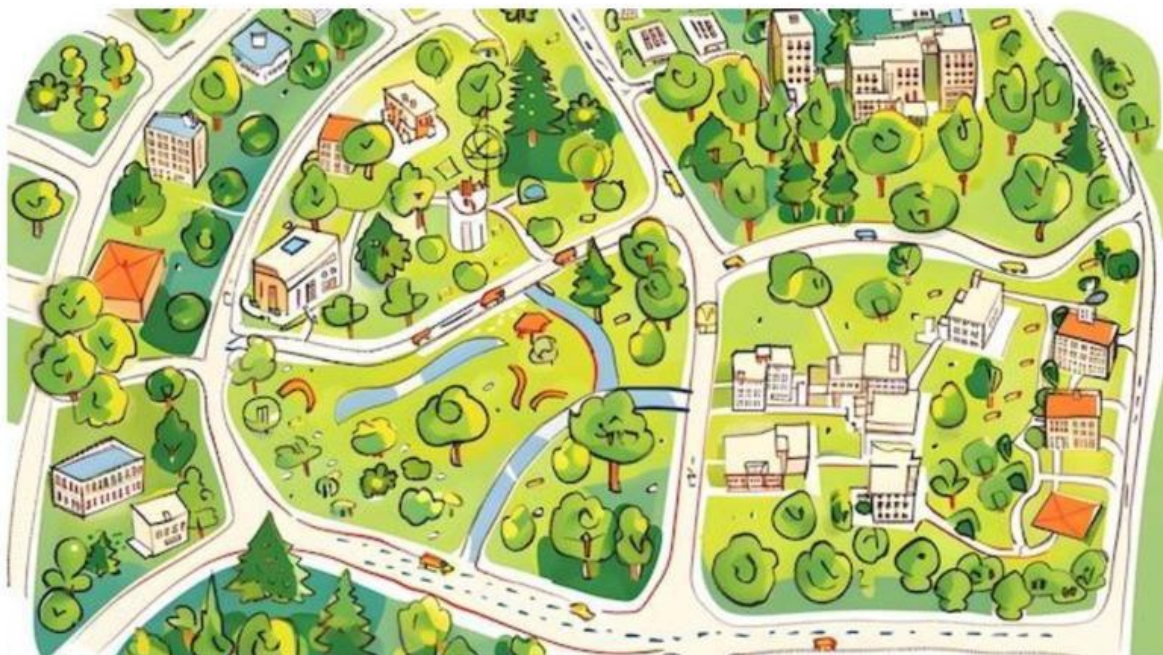
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Solar panels / Why	Wind turbines/Why
heat-resistant technology/Why	Solar energy/Why
Wing Energy/Why	Hydropower energy/Why

Lesson 5: Sustainable Neighbourhood Plan

What will our design for our sustainable neighbourhood look like?



Lesson 6: Describe our design

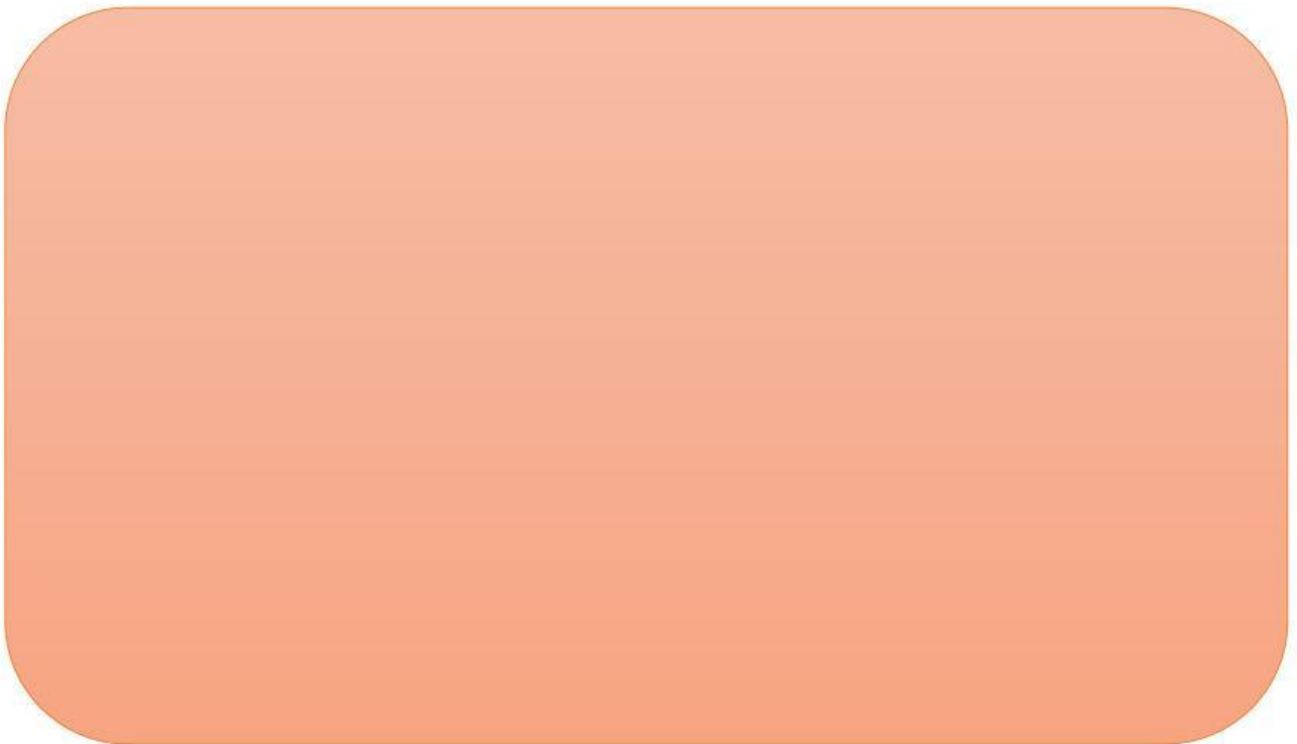
How can we label our map effectively?

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?

What have I learnt?

How does the project connect to the real world?

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 hard to explain what I learnt.	I find it easy to talk to the class and they could understand me. I find it easy to say something about what I learnt, and how I solved problems in the work.	I gave many original ideas 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.