UNITED ARAB EMIRATES
MINISTRY OF EDUCATION

Student Guidebook

Project Based Learning and Assessment

Name:

Grade, Stream, Section:

Subject:

LIVEWORKSHEETS

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:_____

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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?

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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



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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:

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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	

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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:

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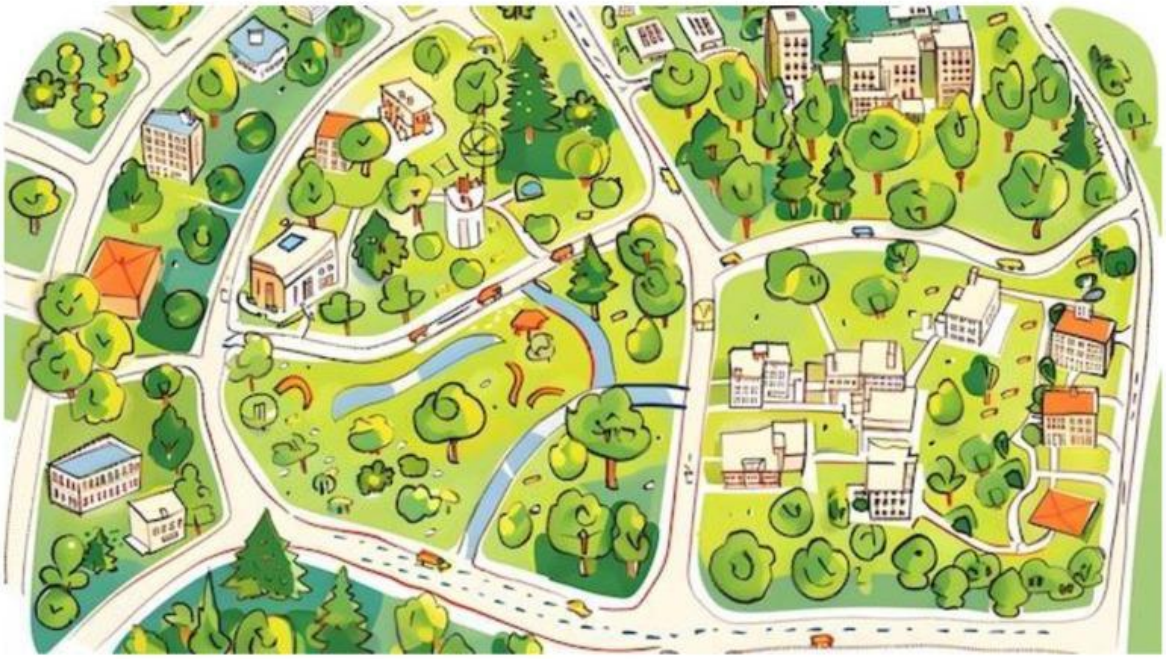
Solar panels / Why	**Wind turbines/Why**
heat-resistant technology/Why	**Solar energy/Why**
Wing Energy/Why	**Hydropower energy/Why**

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Lesson 5: Sustainable Neighbourhood Plan

What will our design for our sustainable neighbourhood look like?





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Lesson 6: Describe our design

How can we label our map effectively?

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



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Lesson 7: Learning presentation skills

How can you make your presentation clear and fun?





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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:



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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?

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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 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.

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