

Sustainable Cities and Communities - Would it be more sustainable if we all lived in cities?

Prior Learning (What we already know?):

1. To understand waste generation and management (prevention, reduction, recycling, reuse)
2. To understand urban ecology and how wildlife is adapting to humanity's settlements
3. To understand the need for shelter, safety and inclusiveness (human needs, contextualizing our different individual and collective wants and needs according to gender, age, income and ability)
4. The learner is able to evaluate and compare the sustainability of their and other settlements' systems in meeting their needs particularly in the areas of food, energy,
5. transport, water, safety, waste treatment, inclusion and accessibility, education, integration of green spaces and disaster risk reduction.
6. To understand the historical reasons for settlement patterns and while respecting cultural heritage, understands the need to find compromises to develop improved sustainable systems.
7. To know the basic principles of sustainable planning and building, and can identify opportunities for making their own area more sustainable and inclusive
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11. To be able to through field trips and gardening, learn about natural cycles and systems.

New Learning:

1. To understand waste generation and management (prevention, reduction, recycling, reuse)
2. To understand urban ecology and how wildlife is adapting to humanity's settlements
3. To understand disaster preparedness and resilience, resilience to weather problems and in the future and a culture of prevention and preparedness
4. To understand the need for shelter, safety and inclusiveness (human needs, contextualizing our different individual and collective wants and needs according to gender, age, income and ability)
5. The learner is able to evaluate and compare the sustainability of their and other settlements' systems in meeting their needs particularly in the areas of food, energy,
6. transport, water, safety, waste treatment, inclusion and accessibility, education, integration of green spaces and disaster risk reduction.
7. To understand the historical reasons for settlement patterns and while respecting cultural heritage, understands the need to find compromises to develop improved sustainable systems
8. To know the basic principles of sustainable planning and building, and can identify opportunities for making their own area more sustainable and inclusive
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New Skills:

1. To have the ability to care for parts of cities and human settlements (e.g.starting a community vegetable garden).
 2. To understand the multicultural nature of cities/towns.
 3. To understand the Innovations for urban environments
- To have an understanding of disaster, risk reduction (DRR).

Key Questions:

- What is urban ecology?
- How does wildlife adapt to humanity's settlements?
- How to people prepare for natural disasters?
- Why did people make settlements on other land/territory?
- How can we improve our sustainability?
- What are the basic principles of sustainable planning and building?



Vocabulary:

DRR- disaster, risk reduction, urban, ecology, sustainability, diversity, ecological footprint

Key Facts:

Urban ecology is study of living organisms, how they interact with humans and their place in the environment.

Sustainable development recognises the interdependence of environmental, social and economic systems and promotes equality and justice through people, empowerment and a sense of global citizenship.

Sustainable living could:

- Improve air quality
- Conserve natural resources
- Improve community health
- Slow climate change
- Assist economic development
- Prepares the community for growth

Key Resources:

www.footprintnetwork.org

https://www.academickids.com/encyclopedia/index.php/Urban_ecology

<https://kids.britannica.com/kids/article/natural-disasters/609706>

<https://www.wessexwater.co.uk/community/blog/14-ways-to-live-a-more-sustainable-lifestyle>

Can I do this?

1. To be able to feel responsible for the environmental and social impacts of their own individual lifestyle.
2. To be able to contextualize their needs within the needs of the greater surrounding ecosystems, both locally and globally, for more sustainable human settlements
3. To be able to appreciate diversity.
4. To have environmental consciousness.

To have an appreciation of safe spaces and security.