Envision a Sustainable Neighborhood

Topics Covered
Sustainability
Happiness
Urban Systems

Grades
6-8

Duration
55 Minutes

Sustainability Competencies
Values Thinking
Future Thinking
Systems Thinking

Key Questions
How can a more sustainable neighborhood improve your happiness? What are components of a sustainable neighborhood? How does creating a vision of the future help us in achieving that vision?

Overview
Students will think about their neighborhood and how their neighborhood would score on the sustainable neighborhood for happiness index (done in the previous lesson). They do not have to evaluate their neighborhood but they should be able to reference the components that are part of the index. Once they have thought about their neighborhood in terms of what they like about it, and what they would like to improve, they should begin to construct a narrative about the life of a person in their neighborhood—how do they commute, where do they do grocery shopping, what do they see out of their window, do they participate in neighborhood decision-making? Once they have created a narrative based on the current state of their neighborhood, they should begin to envision what their future desired state would be. They should create a vision board that represents components they would like to see in their neighborhood in order to make it more sustainable and improve the happiness of the residents in it.

Objectives
Students will be able to:
• Describe components of their neighborhood that impact the sustainability and happiness of its residents
• Construct a vision of their neighborhood in the future based on making the neighborhood more sustainable and making the residents happier
• Communicate how features of a neighborhood can positively and negatively impact the environment, economy, and society

Materials
Per student
• T Chart/Narrative Worksheet
• Vision Worksheet
• 15 to 20 inches of yarn or string
• Tape or staples/stapler
Teacher Preparation
For each student, print one copy of each worksheet. Cut yarn or string to size, and collect and organize other materials.

Background Information
This lesson should follow the Sustainable Neighborhoods for Happiness lesson. Students should already be familiar with general sustainability topics including the “three pillars” of sustainability, urban systems, and city design and planning.

Recommended Procedures
Day One
Allows students a few minutes to create a sketch of their personal neighborhoods on the worksheet. When finished, students should complete the T-Chart to categorize components of their neighborhood as “What I like” or “What I want to improve”. Examples can include any part of the student’s neighborhood, from nearby parks, shaded sidewalks, to the presence of litter or light pollution.

Next, students will create a “Day in the Life” narrative for a typical resident of the neighborhood. This narrative should provide a detailed look at what it’s like to live in the respective community, that is, how would a resident experience the benefits that the neighborhood provides, and react to the areas that need improvement? Descriptions for the narrative should be based on the information collected using the T-Chart.

If time permits, allow students to share their neighborhood sketches, Tcharts, and narrative with their peers.

Day Two
Ask students to imagine what they would like their neighborhood to look like 20 years from now. Encourage them to consider the T-chart they completed yesterday. Their vision for the future of their neighborhood should include improvements to areas of need identified on their T-chart, or even ideas that would make what they like about their neighborhood now even better in the future.

On their vision worksheet, students should create a detailed drawing of their vision of what they want their future neighborhood to be like. Their goal is to imagine a more sustainable and happier place to live for everyone in their community. Next, students should use the yarn or string to connect the narrative created on day one to their drawing of their desired future neighborhood.

Students should think about what needs to happen in the next 20 years to make their vision for the future of the neighborhood come true. Encourage them to think about and identify specific steps or processes that need to happen. Examples might include planting shade trees, improving lighting, or installing solar panels on every home. Each step or process should be recorded on a post-it note or piece of scrap paper. Attach each piece of paper to the yarn or string that connects the neighborhood narrative to the future neighborhood. Students should attempt to place the steps or processes into a chronological order if possible. If some of the steps written on the post-it notes are too broad or general, students will need to come up with the smaller
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steps to bridge the gaps in the development of the future neighborhood. Their goal is to create timeline that bridges the gap between the present and future states of their neighborhood, and represents a plan of action for the next 20 years.

When finished, students should share their vision of their future neighborhood and their plan with their peers.

Vocabulary

**Sustainability:** The ability to meet the needs of the present without compromising the ability of future generations to meet their needs

**Happiness:** A state of emotional and physical well-being

**Neighborhood:** A single region or area that forms a community within a city or town

References

# Next Generation Science Standards

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