Rooted in Resilience

Presqu'ile's Nursery & Tree Planting Program

Preserving our canopy, one seed at a time

Knowledge & Comprehension

1. What problem is Presqu'ile Provincial Park trying to solve by creating a tree nursery?

2. Where do the seeds used in the nursery come from, and why is this important for the park ecosystem?

3. What does the video say about the purpose of cultivating native saplings?

4. According to the video, how does the tree nursery help "restore the forest's future"?

Application & Analysis

5. Why might native species be more successful in restoration efforts than non-native species?

6. The video mentions "multiple threats" to the forest. Based on your knowledge of Ontario ecosystems, what threats might these include?

7. How does a tree nursery act as a human intervention in an ecosystem?

8. If you were designing a restoration plan for another Ontario park, what steps from Presqu'ile's program would you include? Why?

Evaluation & Synthesis

9. Do you think tree nurseries are a long-term solution to forest decline?

10. The video emphasizes protecting the park "for future generations." What responsibilities do humans have in maintaining natural spaces?

11. Imagine the nursery program expands. What data would you collect to measure its success over the next 10 years?

Media Literacy

12. What is the purpose of this video?

13. Who is the intended audience for this video?

14. How does the video use visuals and narration to help viewers understand the importance of the nursery program?

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Answer Key

1. What problem is Presqu'ile Provincial Park trying to solve by creating a tree nursery?

They are trying to restore forest areas that have been damaged by multiple threats, such as storms, invasive species, and environmental stress, and to increase the number of healthy young trees in the park.

2. Where do the seeds used in the nursery come from, and why is this important for the park ecosystem?

The seeds come from native trees already growing in the park. This is important because native species are adapted to the local environment and help maintain a healthy, balanced ecosystem.

3. What does the video say about the purpose of cultivating native saplings?

The purpose is to grow strong, healthy young trees that can be replanted to rebuild the forest and support biodiversity.

4. According to the video, how does the tree nursery help "restore the forest's future"?

The nursery grows large numbers of native saplings that can survive and thrive, helping the forest recover and ensuring it remains healthy for future generations.

5. Why might native species be more successful in restoration efforts than non-native species?

Native species are adapted to local soil, climate, and wildlife. They are more likely to survive, support local animals, and fit naturally into the existing ecosystem.

6. The video mentions "multiple threats" to the forest. Based on your knowledge of Ontario ecosystems, what threats might these include?

Possible threats include invasive species (like European Buckthorn or Emerald Ash Borer), severe storms, flooding, disease, climate change, soil erosion, and human disturbance.

7. How does a tree nursery act as a human intervention in an ecosystem?

A nursery protects young trees during their most vulnerable stages, increasing their survival rate. It is a positive human intervention designed to support natural regeneration.

8. If you were designing a restoration plan for another Ontario park, what steps from Presqu'ile's program would you include? Why?

Answers will vary. Sample ideas: include involving volunteers, collecting seeds, having a native plant nursery.

9. Do you think tree nurseries are a long-term solution to forest decline?

Answers will vary. Sample answer: tree nurseries can help restore forests, but they work best when combined with efforts to reduce the causes of decline, such as controlling invasive species and protecting habitats.

10. The video emphasizes protecting the park "for future generations." What responsibilities do humans have in maintaining natural spaces?

Humans should protect habitats, reduce pollution, prevent damage, support conservation programs, and make choices that help ecosystems stay healthy over time.

11. Imagine the nursery program expands. What data would you collect to measure its success over the next 10 years?

Possible data:

- Number of saplings grown each year
- Survival rates after planting
- Growth rates of planted trees
- Changes in biodiversity
- Reduction of invasive species
- Overall forest health indicators (canopy cover, soil quality, wildlife presence)

12. What is the purpose of this video?

The purpose is to inform viewers about the tree nursery program and to educate the public about how the park is working to restore and protect its forest ecosystem.

13. Who is the intended audience for this video?

The audience includes park visitors, community members, students, and anyone interested in conservation or Ontario Parks programs.

14. How does the video use visuals and narration to help viewers understand the importance of the nursery program?

The video shows images of seeds, saplings, and forest areas while the narration explains the threats to the forest and the goals of the nursery. This combination helps viewers see the problem and understand how the program provides a solution.