

The Crown Estate Sustainability Initiative Forestry in the Woodland Way

You will learn the different roles in managing a healthy forest, understand potential issues and make recommendations about who can manage threats to woodland.



Reflecting on gameplay

2

1. Where is the world based?
2. What has happened so far?
3. What did you find out about the trees in Windsor Great Park?
4. What do the conservation team do?
5. Which animals did you meet in the woodland maze?



Why are trees important?

3



- **Think** time for 30 seconds.
- Then in pairs take it in turns to **give** or **explain** an idea until you can't think of any more.
- Be prepared to provide **feedback** to the class.

Key ideas

local people, global, carbon dioxide, carbon, visual, habitat, food web/food chain, oxygen, timber, water, biodiversity

This lesson is all about trees

4



- Trees are a vital part of the Earth's **ecosystems**, playing a crucial role in regulating the climate, air quality, and water cycles.
- They provide **habitat** for a wide variety of wildlife and contribute to **biodiversity**.
- They are a source of **food, medicine**, and other natural resources such as **timber**, and can support the livelihoods of many people.
- Trees also have **cultural** and aesthetic value, inspiring art and literature.
- Forests provide areas for **recreation**.

Forestry is an important industry and can be an exciting and rewarding career

5

It involves being outside and working with nature to promote biodiversity, helping to address climate change and provide useful materials.



The Forestry Worker game

6

- Each team will get one set of information cards, featuring 10 forest roles.
- You must read the cards to become familiar with the roles and the skill set of each member of the forestry team.
- You will need this information to play a game to solve problems using the skills of the forestry workers.
- Write down anything about the cards that you don't understand.



What does the information on the cards mean?

Role: Wildlife Conservation Manager

Job description:

A wildlife conservation manager develops plans and policies to protect and conserve wildlife populations and their habitats in the forest.

They monitor wildlife, collaborate with stakeholders, and implement strategies to mitigate threats, overseeing conservation projects and staff.



Skills	Rating
Scientific knowledge	🌱🌱🌱🌱🌱
Financial management	🌱🌱
People Management	🌱🌱🌱

Role: Outreach Officer

Alternative title: Education Officer

Job description:

Delivers educational programs related to woodlands, forests and forest management.

They promote awareness and understanding of tree and forest ecology, conservation, and sustainable management practices through workshops, events, and educational materials for schools and community groups.



Skills	Rating
Scientific knowledge	🌱🌱🌱🌱🌱
Financial management	🌱🌱
People Management	🌱🌱🌱

Role: Tree Surgeon

Alternative title: Arborist

Job description:

A tree surgeon, cares for trees by diagnosing and treating diseases, pruning and shaping for optimal growth, removing dead or dangerous trees, and advising on tree maintenance, pest management, and planting strategies.



Skills	Rating
Scientific knowledge	🌱🌱🌱🌱🌱
Financial management	🌱🌱
People Management	🌱🌱🌱

How does the game work?

8

- Your team will be given a number.
- Your teacher will give you different threats to the forest and you have to make a decision about how to protect the forest and its wildlife.
- You need to choose the best 3 forest workers that can help with each threat.
- You will get a score for each decision that you make.
- You may be asked to explain your decision.
- Write A-F in the margin in your book. You will work out your own scores and write them down. Your teacher also has a score sheet.
- The first threat is an example and will not be scored.

Example scenario

9



A rare red squirrel has been spotted by a visitor to the forest in an area where trees are being harvested.

You have two minutes to choose the **three** best roles from the information cards that can ensure that the squirrel is protected.

You get **3 points** for identifying the most important role and **1 mark** each for identifying two other relevant roles.

Example scoring

10



Wildlife Conservation Manager	= 3 points
Forestry Worker	= 1 point
Education Outreach Officer	= 1 point
Recreation Officer	= 1 point
Forest Manager	= 1 point

Scenario A

11

A visitor to the forest used a barbecue and this caused a wildfire. It has now been put out.

You have two minutes to choose the **three** best roles from the information cards that can ensure that the situation is not repeated.

You get **3 points** for identifying the most important worker and **1 mark** each for identifying two other relevant roles.



Scenario A scoring

12

Safety Officer	= 3 points
Education Outreach Officer	= 1 point
Recreation Officer	= 1 point
Forest Manager	= 1 point



Scenario B

13



A fungal infection called 'ash dieback' has been found in an old section of woodland.

You have two minutes to choose the **three** best roles from the information cards that can ensure that the situation is best managed.

You get **3 points** for identifying the most important role and **1 mark** for identifying two other relevant roles.

Scenario B scoring

14



Tree Surgeon	= 3 points
Ancient Woodland Inventory Officer	= 1 point
Education Outreach Officer	= 1 point
Forestry Worker	= 1 point
Timber Processing Manager	= 1 point
Forest Manager	= 1 point

Scenario C

15

A group of local school children are coming to visit the woodland.

You have two minutes to choose the **three** best workers from the information cards that can ensure that the visit is a success.

You get **3 points** for identifying the most important worker and **1 mark** each for identifying two other relevant workers.



Scenario C scoring

16

Education Outreach Officer = 3 points

Recreation Officer = 1 point

Safety Officer = 1 point

Wildlife Conservation Officer = 1 point



Scenario D

17



The local council has requested that thousands of new trees are planted to help their action on climate change.

You have two minutes to choose the **three** best workers from the information cards that can ensure that the trees in the new forest store as much carbon as possible.

You get **3 points** for identifying the most important worker and **1 mark** each for identifying two other relevant workers.

Scenario D scoring

18



Carbon Storage Expert = 3 points

Forest Manager = 1 point

Tree Surgeon = 1 point

Education Outreach Officer = 1 point

Safety Officer = 1 point

Scenario E

19

A new sustainable visitor centre is being built for the forest. It needs to be built with wood from our forest.

You have two minutes to choose the **three** best workers from the information cards that can ensure the visitor centre building is a success.

You get **3 points** for identifying the most important worker and **1 mark** each for identifying two other relevant workers.



Scenario E scoring

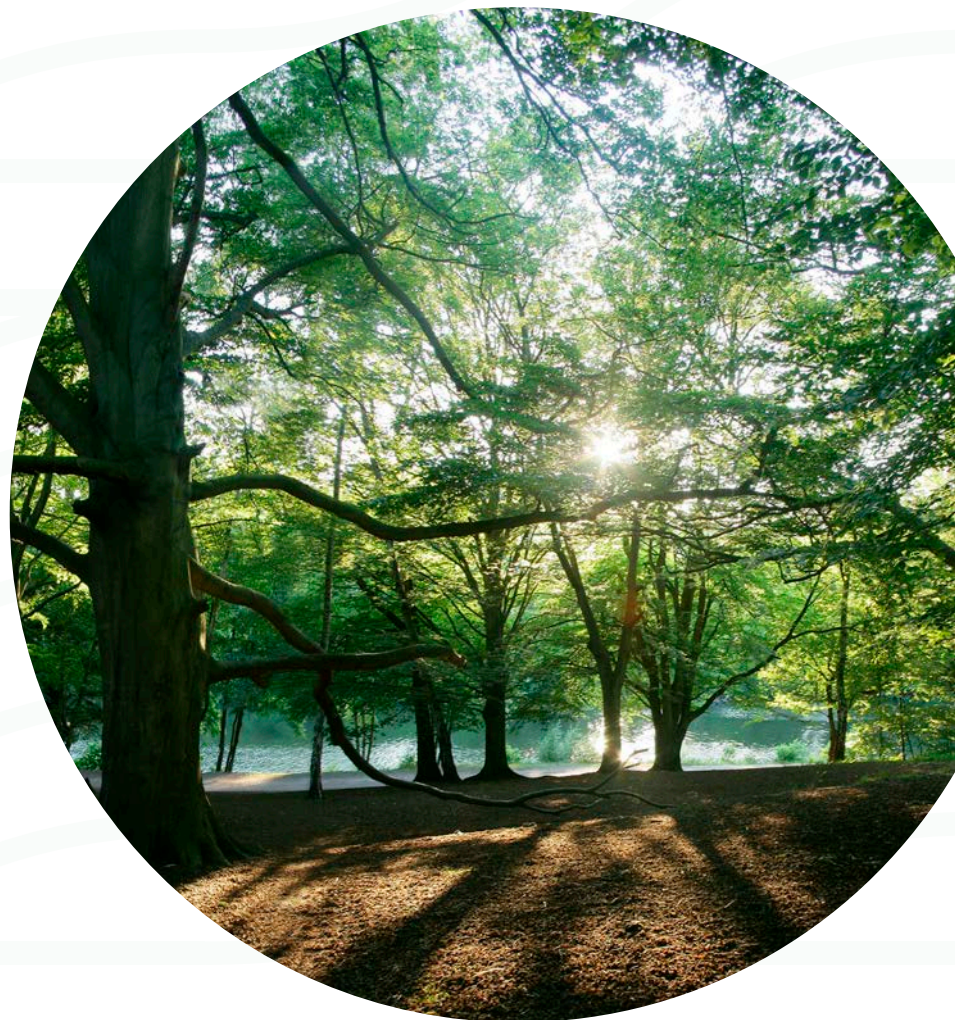
20

Timber Processing Manager = 3 points

Forest Manager = 1 point

Forestry Worker = 1 point

Recreation Manager = 1 point



Scenario F

21



The landowner wants to put a new road through part of the oldest part of the forest to the new visitor centre.

You have two minutes to choose the **three** best workers from the information cards that can ensure the best route is planned.

You get **3 points** for identifying the most important worker and **1 mark** each for identifying two other relevant workers.

Scenario F scoring

22



Ancient Woodland Inventory Officer	= 1 point
Forest Manager	= 1 point
Forestry Worker	= 1 point
Recreation Manager	= 1 point
Wildlife Conservation Manager	= 3 points

Bonus round – tie breaker

23

Climate change is contributing to heavy rainfall and flooding along the riverbank in the forest which is causing erosion.

You have two minutes to choose the **three** best workers from the information cards that could resolve the issue and protect the riverbank.

You get **3 points** for identifying the most important worker and **1 mark** each for identifying two other relevant workers.



Bonus round – tie breaker

24

Tree Surgeon	= 3 points
Forest Manager	= 1 point
Safety Manager	= 1 point
Carbon Storage Expert	= 1 point



Which forestry worker would you like to be and why?

25



- **Think** time for 30 seconds.
- Share your ideas in pairs.
- Be prepared to provide **feedback** to the class.

Reflection

26



- A fact I learned today about the importance of trees is...
- Something I learned about a forestry worker is...
- Something I found challenging was...
- One thing I will do to protect biodiversity is...

Challenge

27

A new forest is being proposed to promote biodiversity and store carbon.

Rank the roles in order of importance for this new development:

1.

6.

2.

7.

3.

8.

4.

9.

5.

10.