

# Little terns at Gronant



## My little tern workbook

### Lesson 3 - Conservation of the little tern

Since the 1980s, the population of little terns in Britain has declined by 50% due to the development of coastal breeding habitat, human disturbance and high levels of predation. Consequently, many colonies are extensively managed in order to protect tern numbers across Britain.

Gronant is the only breeding colony of little tern in Wales. Due to hard work by wardens and local volunteers, it has become one of the most successful colonies in the British Isles. Denbighshire Countryside Services, along with the help of dedicated volunteers and bird specialists, construct the protective fencing around the colony, warden the site every day, scare away predators and keep disturbance levels down, talk to visitors and beach users, and ring and monitor the birds to keep a track of what's going on.

Videos and animations to watch

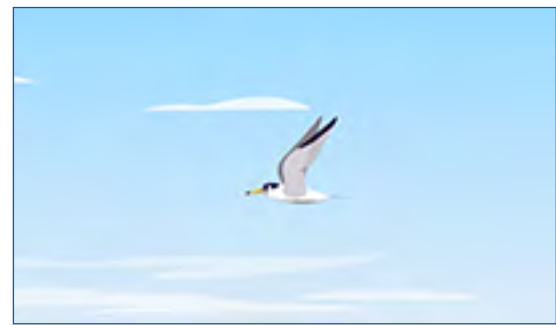
Introduction to the conservation of the little tern video

Watch this video about the conservation of the little tern at Gronant



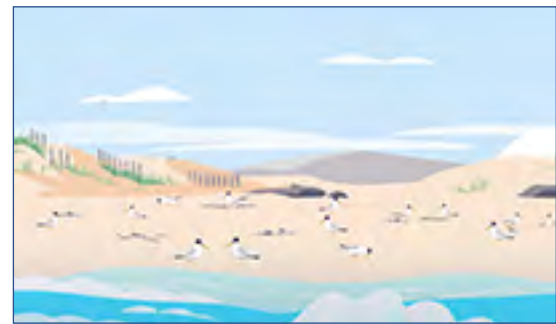
Introduction to the little tern animation

Find out all about the little tern at Gronant



Conservation animation

Find out all about conservation of little tern at Gronant



Glossary of helpful words

i.	Conservation	The act of protecting and preserving animals, plants and their habitats from extinction and destruction.
ii.	Conservationist	Somebody who works to conserve wildlife and the environment.
iii.	Habitat	The natural home of an animal or plant.
iv.	Colony	A number of birds of the same species that nest or roost in the same site.
v.	Extinct	When a species of plant or animal no longer exists on the Earth.
vi.	Endangered species	When a species is likely to become extinct.

We encourage visitors to  
volunteer and become  
conservationists





## Conservation of the little tern

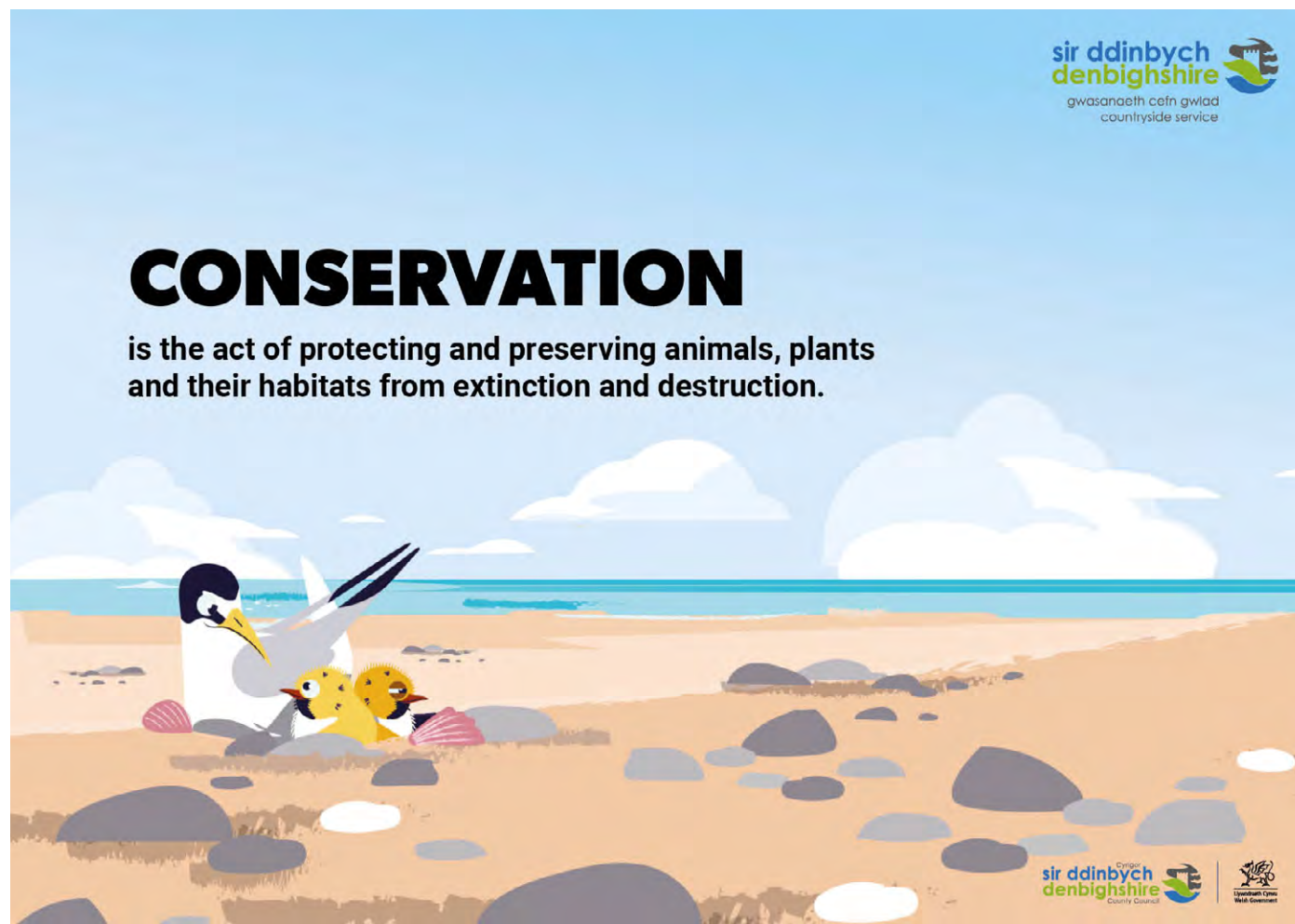
While your teacher shows you a power point presentation about conservation of terns have a think about the following points:

- Why is conservation so important?
- What do conservationists do to protect little terns?
- What can we do to help protect little terns?

Write notes of anything you think might be important.

## Powerpoint slides

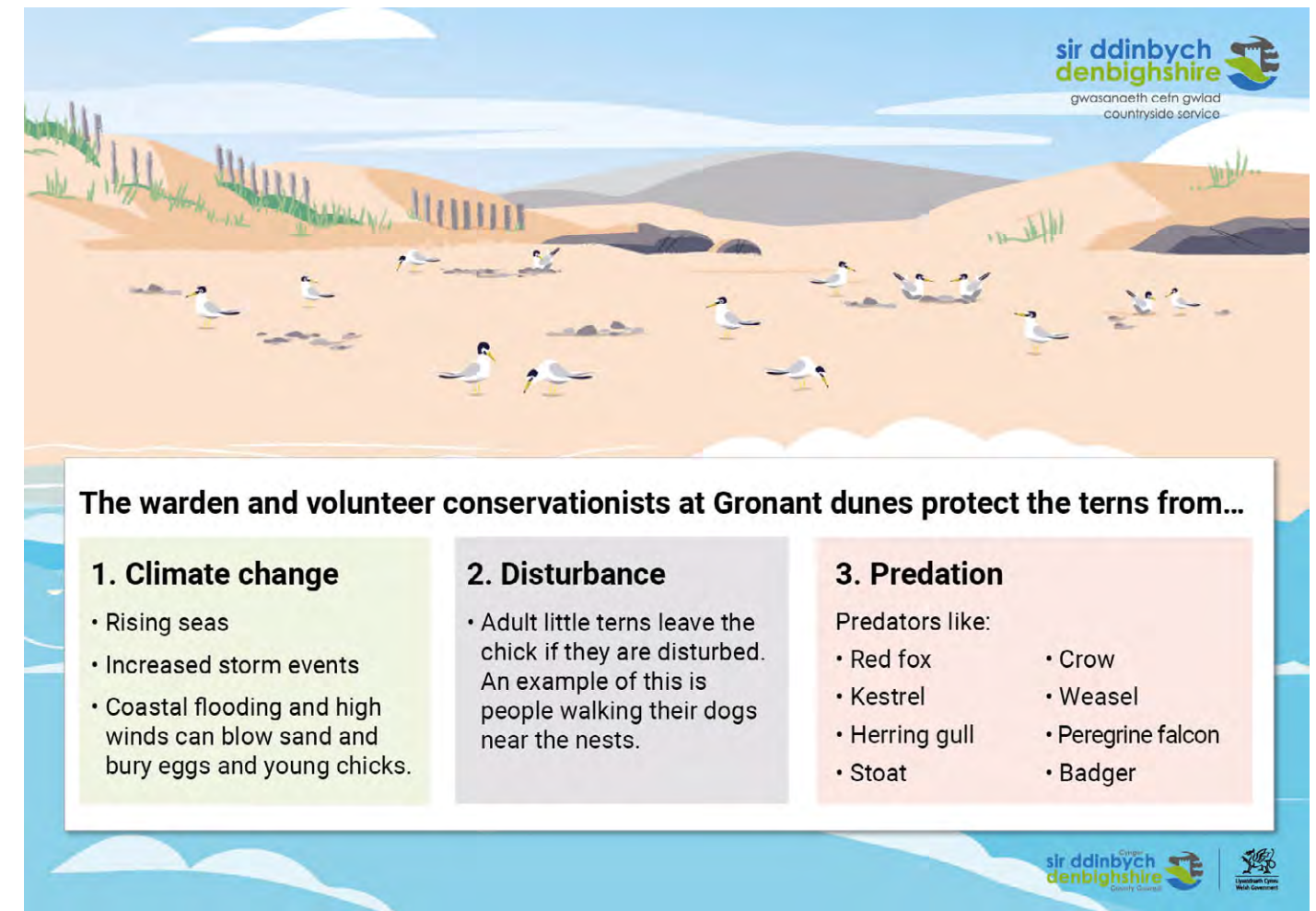
Here are the slides from the powerpoint that you can use to find information for your activities.



**CONSERVATION**  
is the act of protecting and preserving animals, plants and their habitats from extinction and destruction.

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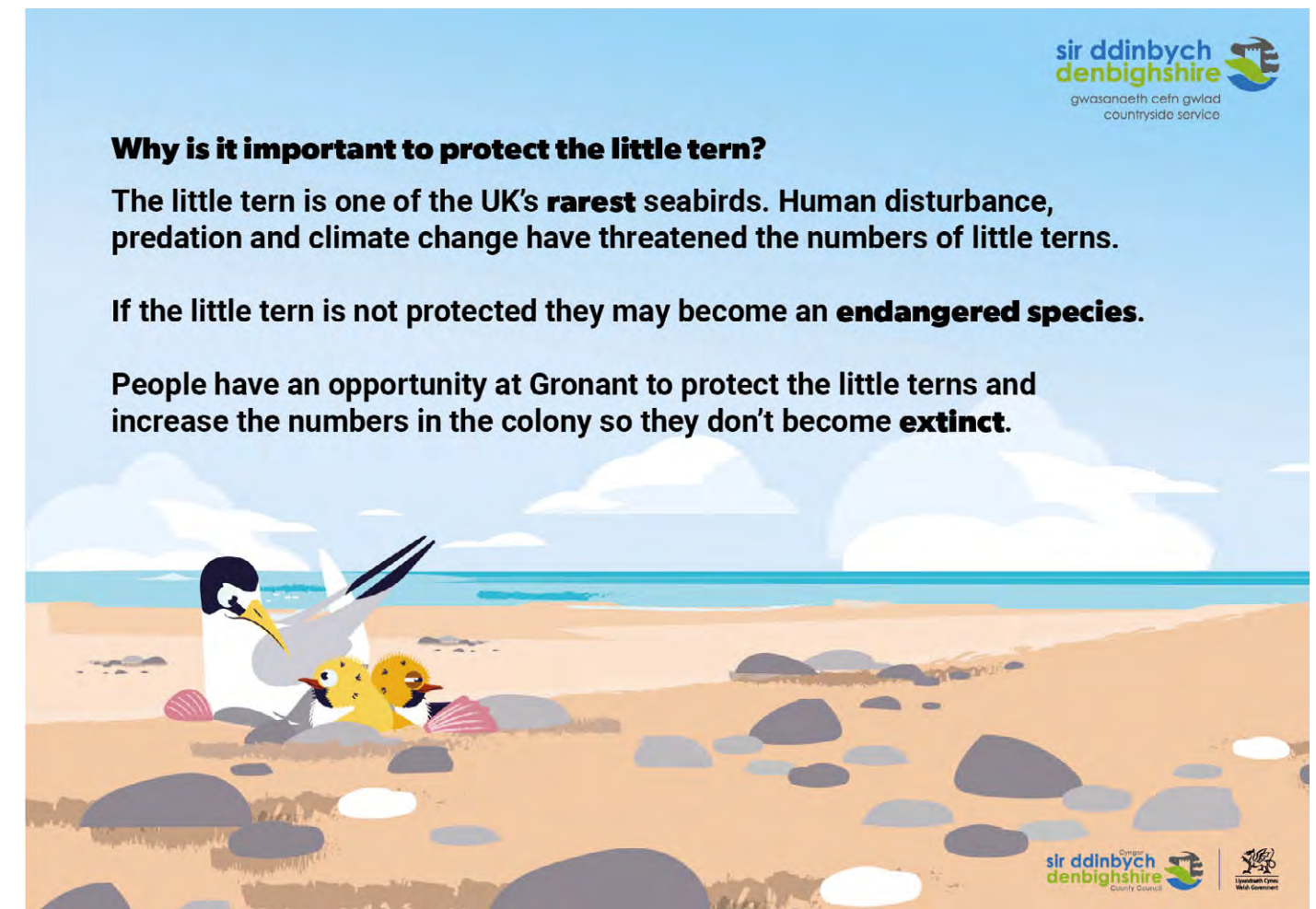


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**The warden and volunteer conservationists at Gronant dunes protect the terns from...**

1. Climate change	2. Disturbance	3. Predation
<ul style="list-style-type: none"><li>• Rising seas</li><li>• Increased storm events</li><li>• Coastal flooding and high winds can blow sand and bury eggs and young chicks.</li></ul>	<ul style="list-style-type: none"><li>• Adult little terns leave the chick if they are disturbed. An example of this is people walking their dogs near the nests.</li></ul>	<p>Predators like:</p> <ul style="list-style-type: none"><li>• Red fox</li><li>• Kestrel</li><li>• Herring gull</li><li>• Stoat</li><li>• Crow</li><li>• Weasel</li><li>• Peregrine falcon</li><li>• Badger</li></ul>

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**Why is it important to protect the little tern?**

The little tern is one of the UK's **rarest** seabirds. Human disturbance, predation and climate change have threatened the numbers of little terns.

If the little tern is not protected they may become an **endangered species**.

People have an opportunity at Gronant to protect the little terns and increase the numbers in the colony so they don't become **extinct**.

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## Conservation

These are some of the ways conservationists protect little terns:

### Nest moving

Little terns build their nests on shingle beaches. During bad weather and rising tides, nests, eggs, chicks and adults, are at risk from flooding.

Conservationists lift the nests up and put them on plant pots to stop the nests being washed away. They only do this when they absolutely have to. This gives the birds a better chance of survival.

**Please don't try and move nests yourself!**



### Predation from the sky

Wardens and volunteers employ scare tactics by using a starter pistol and chasing away avian predators.

A feeding station has been installed and baited with poultry chicks so predators will take those instead of the little terns. This has been successful as predators, mainly kestrels, are taking fewer little terns.



### Protecting from predation

Eggs, chicks and fledglings are at risk from predation. Adults can fend off predators.

Predation from the land and sky are ongoing threats to little terns. Foxes can take a whole nest of eggs at one go, eating the fledglings!

Conservationists warden the site in the daylight hours to keep away daytime predators.

They build pens and put up electric fencing to keep nocturnal predators like the red fox and badgers away from the nests.



### Laser hazing

Conservationists use a clever laser device that scares away predators like crows and kestrels.

The birds don't like the light from the laser and when it is used repeatedly they don't come back to the site.



### Visitor management

Conservationists put a blue rope around the little terns' breeding grounds so people know that they and their dogs should stay away and not disturb the birds.

The wardens also spend all day at the colony keeping a watchful eye and speaking to anyone who comes too close to make sure they are aware and keep a safe distance.



### Ringling

Ringling is an important part of the research about and conservation of the little tern.

Rings are carefully attached to the feet of both chicks and adult birds.

When the ringed birds are caught again, the information on the rings is recorded.

Over time, this information helps conservationists to track where the birds go on migration, where they nest and find out how old the birds are.



### Visitor management

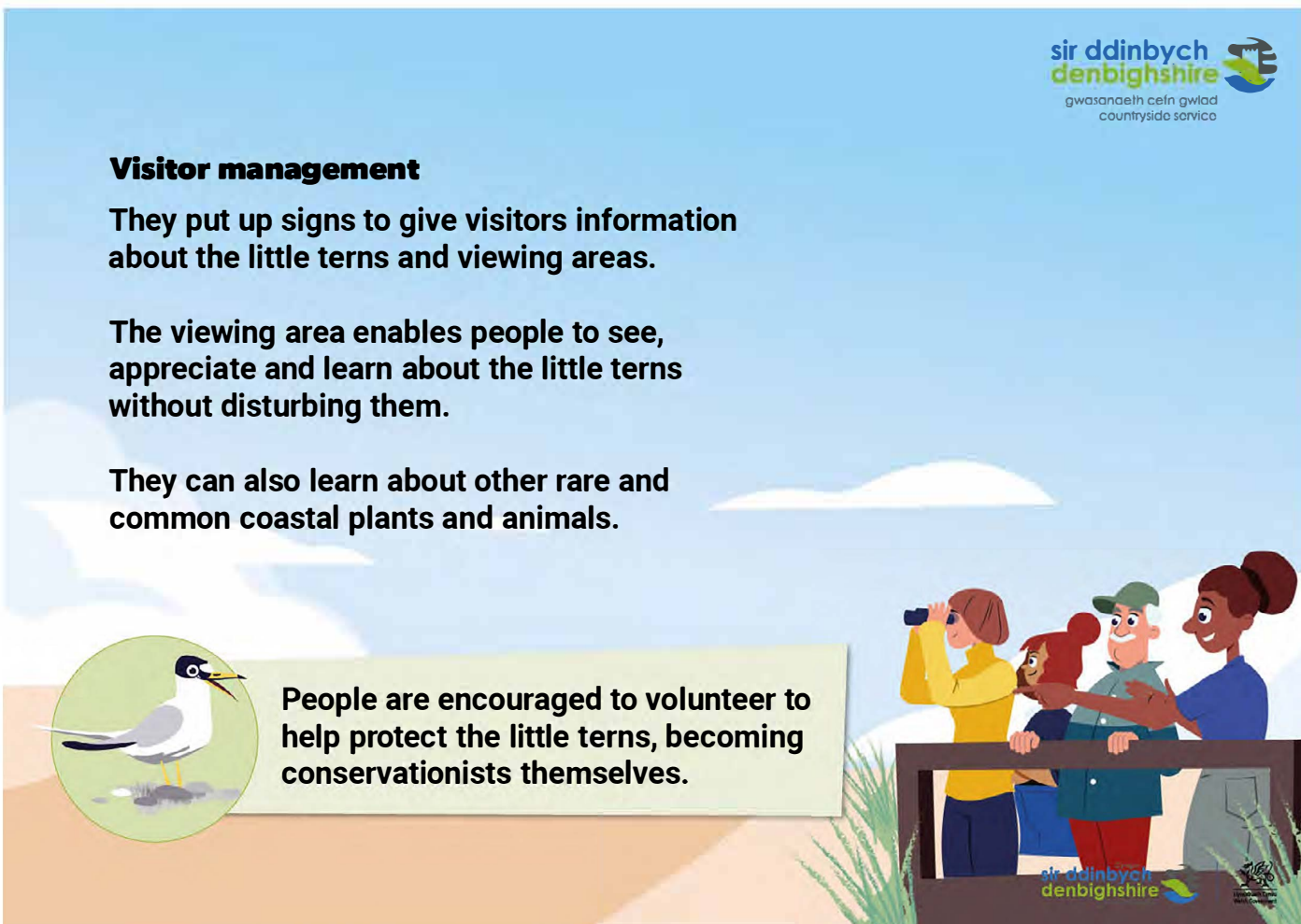
They put up signs to give visitors information about the little terns and viewing areas.

The viewing area enables people to see, appreciate and learn about the little terns without disturbing them.

They can also learn about other rare and common coastal plants and animals.



People are encouraged to volunteer to help protect the little terns, becoming conservationists themselves.



An important part of conservation is to make other people aware of the work being done to conserve the little tern.

### This is where you come in!

1. Write a letter to your local newspaper telling them why it is important to protect little terns.
2. What is already being done by conservationists at Gronant dunes to protect little terns? Describe at least 3 things.
3. Explain in your letter what people can do to learn about and help conserve the little tern. (See this slide show for help)





## Activity 1 - Write an article for a newspaper

Get into groups of four. Take 5 minutes to read this article about the conservation of the little tern at Gronant from the Rhyl Journal.

Your teacher might also give you a press release about the little tern. A press release is an official statement issued by a company or organisation, to the media (newspapers/tv/radio), giving information on a particular subject.

In your groups, discuss the information in the powerpoint and the article/press release, describing the work of the conservationists at Gronant. What do you think about it? What information can you use in your article?

Plan and write your article for the newspaper about the conservation of the little tern. You can use the paper in your workbook or your own to design your layout.

Consider the following questions in your article and include at least 3 points about how little terns are being protected.

1. At the start of your article include a headline.  
This is a short eye-catching statement that will grab the readers' attention.
2. Why is the conservation of the little tern so important?
3. Who conserves the little tern?
4. What is conservation?
5. How do the conservationists at Gronant dunes protect the little tern?
6. What would a conservationist say about how important their work is?
7. Can you Include a quote that a conservationist would say?

Set out your article as if in a newspaper.



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News

3rd July 2020

**Gronant Tern conservation work caught on camera**

By Arron Evans | @ArronEvansNews  
Reporter



One of the terns caught on camera on the Youtube video.

f t in e

0 comment

**THE work of protecting the Little Tern colony at Gronant has carried on over recent months, despite the covid-19 outbreak, with Denbighshire Countryside Service introducing safe working measures to protect the colony from human disturbance, predation and extreme weather events.**

Now a video, narrated by naturalist Iolo Williams has been produced to highlight the great conservation work going on at the location and charts the history of the five year project from its start to present times.

The colony, the last remaining one of its kind in Wales, is amongst only a few colonies across the UK implementing protection for the little terns this season, making our efforts more important than ever. It is of vital importance that we continue to protect the last little tern colony in Wales, despite these exceptional circumstances faced during 2020.

The work is carried out by wardens with support from volunteers, but due to the covid -19 restrictions, staff from Denbighshire Countryside Services have taken over warden duties. To date, the counts of birds has been 300+, with 172 nests created and many chicks are now appearing.

Councillor Tony Thomas, Cabinet Lead Member for Housing and Communities, said: "At the very beginning of the season, fencing was put in by 3 members of staff whilst working at a safe distance and implementing sanitation procedures to prevent any potential cross contamination. In total we managed to construct 7 pens, with 2 additional areas of strap fencing which encapsulate areas of prime breeding habitat.

"The team has faced a number of challenges, including quad bike users tearing up the nesting areas of shingle, then came the storms and high tides that washed away some of the nests, and there is the constant threat of predation from foxes and kestrels. These issues have been addressed as best possible by the small team, through police involvement, repairs to fencing under difficult conditions, and having a daily warden presence to ward off predators and intrusive humans.


"It is on track for being a good season for the colony, thanks to the great efforts of Denbighshire Countryside Service staff. They have overcome this year's challenges with the usual enthusiasm, willingness and a clear focus on protecting the Little Tern colony for future generations.

"And what better way to celebrate the work on the project to date than having it documented on video. The footage shows the little tern in its habitat and speaks with volunteers that have been involved in the ground-breaking project. We hope people enjoy the film and get a real taste of the project and the honour we have in Denbighshire of being involved in such great conservation work."

The video can be found at: <https://youtu.be/HQsbVvOBnBY>


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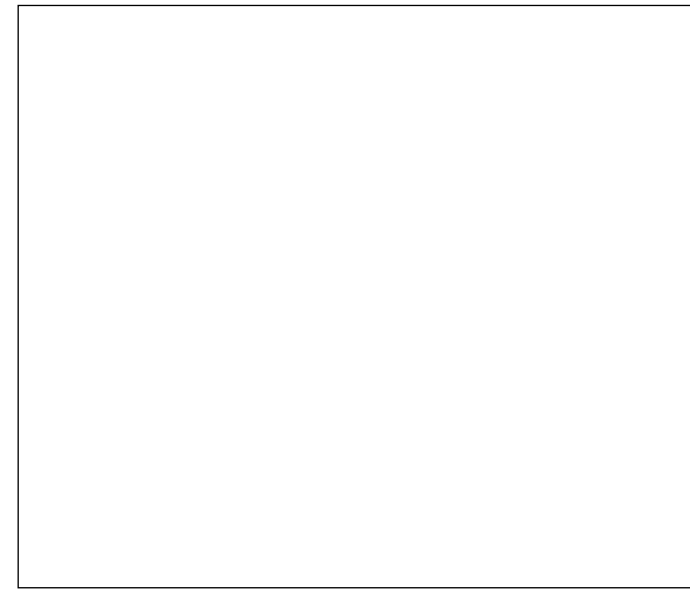
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## Activity 2 - Design a poster

Work either on your own or in pairs to design a poster for your classroom or school. The poster should raise awareness and promote the conservation of the little tern at Gronant dunes.

### Points to consider:

#### 1. What is your headline message?

This should be the main message of the poster: a clear, short message to tell people what you want them to know about the conservation of the little tern.

#### 2. What other important main messages do you want to tell people?

Keep it to just two or three short, clear points. Keep it simple!

#### 3. What is the main image?

It wants to be eye catching and powerful so people look at your poster.

Here are some example posters. You could research conservation posters online to get other ideas. When you have finished show your poster to the class and show your article and talk about them both.



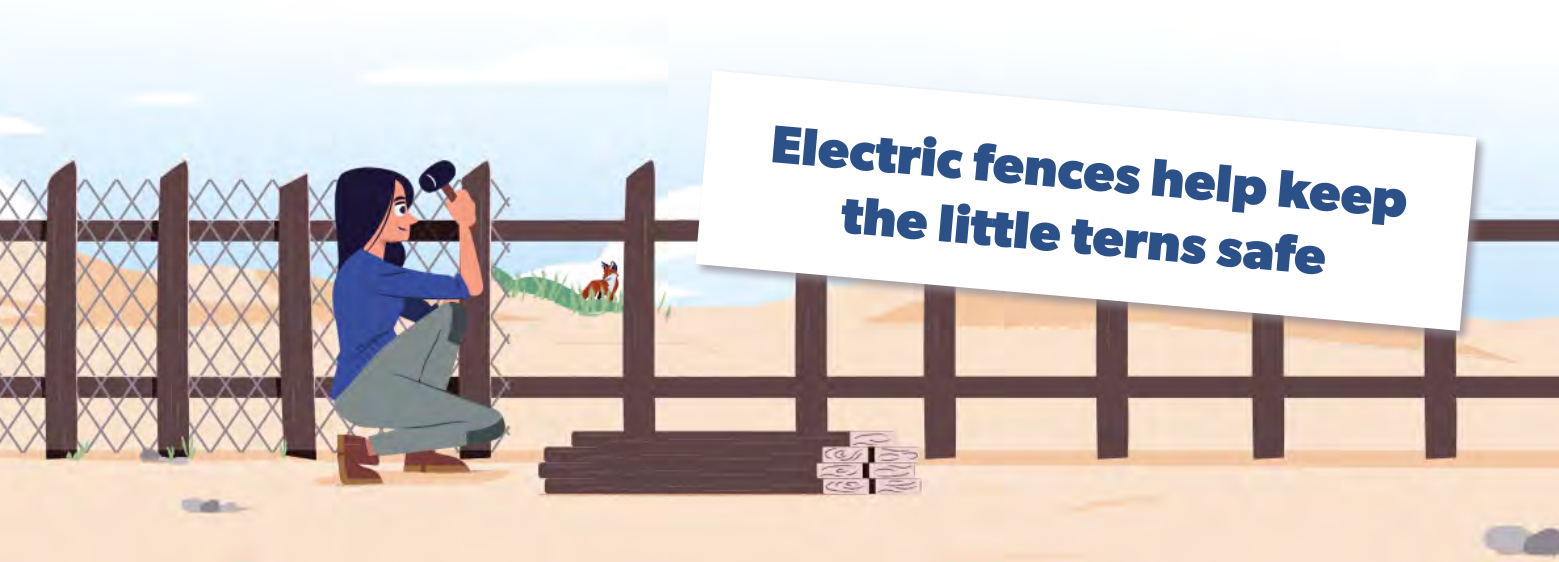


### Extra activity - film making activity

Your teacher might ask you to make a film or news report too!

If you make a film follow these steps:

1. Get into groups of four and decide upon roles for yourselves. You might want to be a director, camera person, actor/presenter or a technician/editor.
2. You can use digital flip cameras and iMovie, Windows Movie Maker or any other digital filming equipment and editing packages that the school uses
- 3.. Your film will include you reading your articles and showing and explaining your posters.
4. The group should discuss and write down a short running order of who will do what and in what order.
5. If you are using a green screen don't forget not to wear green on the day of the activity, otherwise parts of you will disappear!
6. You can make your green screen out of green fabric.
7. Decide what image to use as your backdrop. This could be a newsroom studio, the beach at Gronant or your poster image.
8. You can use props and costumes to dress as newsreaders, broadcasters or TV presenters.
9. Make sure you rehearse your film before filming.
10. Once you have finished filming you can begin the editing process.
11. To edit the films plug the camera into the PC and upload/import the movies.
12. Upload your chosen background onto the edit timeline.
13. The final films can be shown in your class or at assembly.

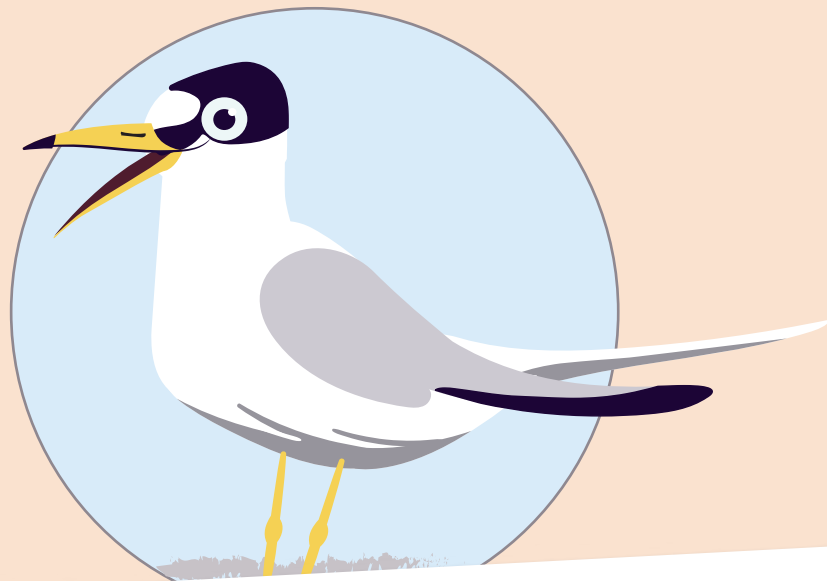


## Use this to make your film plan





# Little terns at Gronant



**Visit our website at  
[littleterns.denbighshirecountryside.org.uk](http://littleterns.denbighshirecountryside.org.uk)  
to find out more about the little terns at Gronant**