



# Barney and Echo

THE POLICE COMMUNITY CLUBS OF GREAT BRITAIN  
Delivering Citizenship and PSHE Education  
PATRON Lord John STEVENS QPM LL.B FOUNDER & SECRETARY Barry T JONES MBE



## Introduction to The Barney & Echo Workbook

### Workbook Contents:

- Guidelines for lesson plan and additional activities
- Sparky's Big Idea lesson plan
- Discussion activities
- The Barney & Echo questionnaire plus answer sheet
- Reflection exercise
- Sparky's Big Idea play



### Other books in the Barney & Echo series:

- |                     |   |
|---------------------|---|
| Magic Mirror -      | Deals with drugs, tobacco & alcohol           |
| Echo's New Watch -  | Deals with gangs                              |
| The Bad Apples -    | Deals with anti-social behaviour              |
| Caught In The Web - | Deals with internet safety and cyber bullying |

[www.barneyecho.co.uk](http://www.barneyecho.co.uk)



# Guidelines for lesson plan & Additional Activities

## **Lesson Plans - Pre-programme**

Enclosed is the learning objective of the Barney and Echo Sparky's Big Idea educational resource.

You can plan the project by following the suggested template or run the programme to fit into your current PSHE / Citizenship lessons.

## **Discussion Activity 1:**

Please photocopy and hand out '**What is harmful and why?**' to the class. It is advised that this activity is done in small groups or with partners. Once completed please talk about the answers given in a whole group discussion.

## **Discussion Activity 2:**

Please photocopy and hand out '**Statements- agree or disagree?**' to the class. It is advised that this activity is done in small groups or with partners. Once completed please talk about the answers given in a whole group discussion.

## **Reflection Exercise:**

Please photocopy and hand out the '**What did I do and What did I learn**' activity sheet to the whole class.

It is best to get each pupil to do these separately and then hand them in to the teacher at the end of the lesson.

Once completed please talk about the answers given in a whole group discussion.

## **The Play - Post programme**

Within this pack you will receive a copy of the play, that the children will be able to re-enact to parents and the rest of the school.



# Barney & Echo



Sparky's Big Idea  
Barney says let's talk about...  
the environment



www.policecommunityclubs.org

Week	Learning Objective	Introduction	Main Teaching Activity	Plenary and extensions
1	To elicit prior knowledge on sustainability.	Inform the children that they will be learning about the environment and sustainability. Key Question: What does sustainability mean? Give the children time to discuss the term with talk partners and take feedback.	As a group complete a KWL grid. This should be displayed throughout the topic and updated when necessary. (K=What do they know W=What do they want to know L=what have they learnt)	Key Question (KQ): How could we find out the answers to some of these questions?
2	To understand what sustainability is.	Introduce book and read to page 7. Children to discuss each of the 'discussion points' with talk partners. Teacher to take feedback and guide class discussion (do not give feedback as use this in plenary). Individually children to complete the true/false statements and compare their answers with a partner. Teacher to take feedback and guide class discussion. KQ: Why is it important to look after our environment? Read to page 9 as a class.	In pairs, children to complete activity 1 (page 10). Pairs to share their answers with another group and discuss any similarities and differences in their answers.	Read to the end of page 12. Compare class answers to what Echo did wrong in his morning routine to what Barney points out. Take feedback from main activity.
3	To learn about recycling.	Recap on last week's lesson. Look at activity 2 on page 13. Ask the children to work in pairs to create a mind map of what will be affected if the forest dies (ask the children to think about what we get from the forest and what animals live there). KQ: What is the name of Barney's friend? Read to page 16. KQ Why do you think Mrs Tawny is Worried?	Complete activity 3 as a class. Discuss each point. Children to design a leaflet or poster about recycling to display around the school. This can be done individually or in pairs.	Choose some good examples to share. Children should present their own work to the class. Group discussion on the outcome.
4	To research sustainability, renewable energy and recycling.	Read to page 19. Discuss what is happening to Treetop Forest and what Echo is doing to make things worse. Children to use the ideas generated in the introduction to write a letter to Echo, page 20.	Read to page 25 as a class. In pairs children to conduct research on sustainability, renewable energy and recycling.	Extend plenary. Children to present their findings to the class. As whole class, add to the 'learned' column on the KWL grid from week 1. Ext: Complete activity on page 26.
5	To understand what you can do to help the environment	Recap in previous lesson and read to page 31. Look closely at the pictures on page 32. In pairs find the 5 things that show Echo not recycling, and wasting energy and materials. Group discussion of findings.	Read to page 37. Discuss the sorts of things that an Echo Club might do. KQ: What can we do to help save the environment? Design a poster for either Echo's Eco Club or to start an Eco Club at your school, page 35.	Ext: Activity 9 on page 38. KQ: What have you learned during this topic? Read to the end of the book.
6	To complete additional activities. Perform play.	Ask children to summarise the books & Overview the additional activities.	Split children onto groups. Children to rehearse the play.	Extended plenary. Children to perform the play to the class. Rest of class to peer assess the performances.



www.policecommunityclubs.org

# Discussion Activity 1

## What is harmful and why?



Harmful?	Never	Sometimes	Always	Why?
Littering 				
Tap left running 				
Solar panels 				
Leaving light on 				
Wind turbines 				





# Discussion Activity 2



Statement	Agree ✓	Disagree ✓	Why?
1. Deforestation only affects certain countries			
2. It is important not to waste paper			
3. Fossil fuels are better than sustainable energy			
4. It is important to live in a sustainable way			
5. It's ok to leave your computer on overnight			
6. I don't need to worry about the environment until I'm an adult			
7. Global warming is something that only affects animals			
8. Recycling helps to reduce our carbon footprint			
9. Pollution is good for the environment			
10. It's everyone's responsibility to protect the environment			

# The Barney and Echo Journey Questionnaire Teacher answer sheet and instructions

## Instructions

- Photocopy the following questionnaire sheets and hand them out to the pupils.
- Pupils should be given up to 20 minutes to complete the questionnaire.
- Once the questionnaire is finished, mark the papers and have a group discussion on the answers given.

## Answers for the questionnaire:

1. His radiator - his laptop - the tap in the bathroom - the lights
2. Animals, people and the environment.
3. Sparky tried to tell Echo to stop wasting paper
4. The Treetop council were holding a meeting because energy was beginning to run out and so much was being used.
5. It was decided to cut down trees to provide more energy and one of those trees was Echo's house.
6. Barney Eagle saved Echo when his house was being cut down
7. Echo's new house was different because he now had solar panels on his roof and the walls were made from old bottles that had been thrown away.
8. A new wind turbine was built where Echo's old house used to be



# The Barney and Echo Journey Questionnaire

## Sparky's Big Idea



Please answer the following questions in as much detail as possible:

1. The morning Barney went to see Echo, list three things Echo had forgotten to turn off.

---

---

2. What does global warming affect?

---

---

3. What did Sparky try and tell Echo to do when the animals were trying to find out who T and F were?

---

---

4. Why did the Treetop Council hold a meeting?

---

---

5. What was decided following the council meeting?

---

---

6. Who saved Echo when his house was being cut down?

---

---

7. How was Echo's new house different from his old house?

---

---

8. What was built in the place where Echo's house used to be?

---

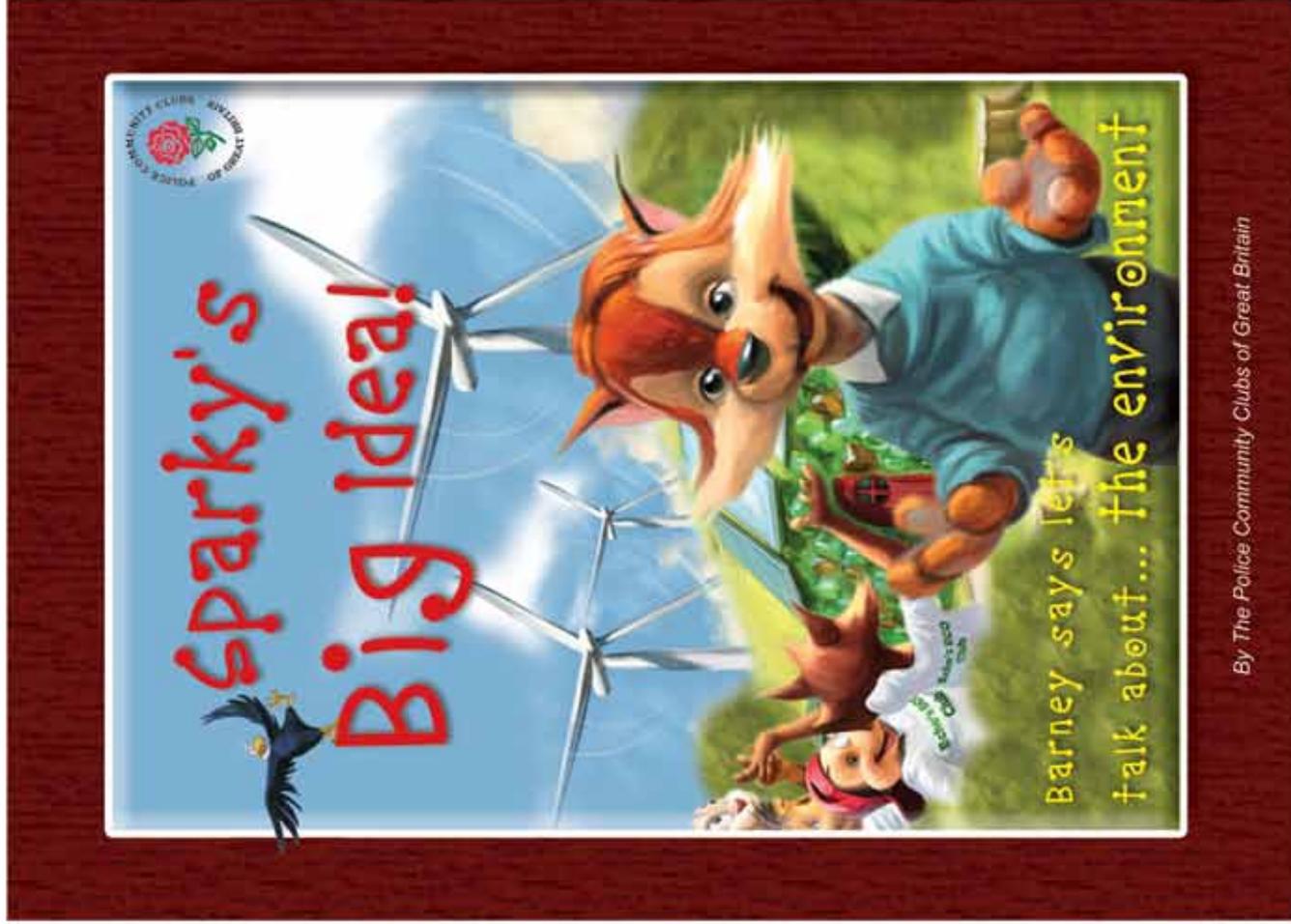
---



# Reflection Exercise

What did I do?

What did I learn?



# Sparky's Big Idea Play



## **The Play:**

**Let's talk about the environment**

**Please photocopy 9 copies of the following play.**

**Decide who will play the parts of the characters and give the pupils a copy of the script each (keeping one for the teacher)**

**Make sure you have all of your props...**

- **Sleeping bag as a bed**
- **Wrist Watch**
- **Fan**
- **Bowl**
- **Laptop**
- **Chairs**
- **Table**
- **Bench - used as the base of a tree**
- **Notepad**
- **Pens**
- **Waste Bin**
- **Cardboard coloured in as solar panels**
- **Empty plastic bottles**
- **Pretend light bulb**
- **High visibility vests worn (for the workmen)**

**It is recommended that you spend at least 5-6 hours rehearsing the play.**

**The play can be delivered to other pupils in the school or at a parent's event.**



# 'Sparky's Big Idea'

## Let's talk about the Environment

### CAST

**Barney the Eagle :**

**Echo the Squirrel :**

**Digsby the Mole :**

**Dizzy the Rabbit :**

**Sparky the Fox :**

**Spike the Hedgehog:**

**The Mayor:**

**Narrator :**



### SCENE 1

*The set is Echo's bedroom and Kitchen. Echo is in bed.*

**Narrator:** Its summer in Treetop Forest. Early in the morning, the sun is shining bright, there are no clouds and last night it had got a little chilly. Echo is asleep in bed; he left the radiator on full blast last night because it was a little chilly, and so he's thrown off his duvet during the night. But he left the radiator on...

*Echo stirs, looks at his watch and bolts out of bed, he then runs to the bathroom, switching the bathroom lights on and opening the window. He turns a fan on full blast as well to help him cool down. Echo splashes his face with water from the tap and cleans his teeth. He turns the tap down but not off, and leaves the water running. He then runs to the kitchen.*

**Narrator:** As Echo got up late this morning, he's been rushing around to get everything done, but he was in such a rush he left the window open, the heating on, the fan on, ALL of the lights on and the tap on!

*Echo goes to kitchen, gets a bowl of nuts and raisins and sits down to do his homework on his laptop, which he had left on.*

*Barney Enter stage right.*

**Barney:** Good morning, Echo.

**Echo:** Hey Barney, you're just in time to help me with my homework.

**Barney:** Hmmm, OK.

**Narrator:** Barney wasn't there to help Echo with his homework; he was there to talk about what was going on in the forest.

**Barney:** Let me see if I can help.

**Echo:** I've got to fill in the blanks on these sentences but I'm stuck on one of them. 'When we leave lights on when we don't need them we W, something, something, something, E'. I can't think of anything that happens when lights are still on. They're just on.

**Barney:** This is easy, why do you turn a light on?

**Echo:** To see when it's dark?

**Barney:** Yes, that's right, but what if there is no one in the room?

**Echo:** Then I suppose you don't need to leave them on.

**Barney:** That's right, what do we call it when you use something you don't need to use.

**Echo:** Is it.... *(Pauses, scratches head)* I don't know, can you help me please Barney?

**Barney:** It's W...A...S...T...E.

**Echo:** Thanks Barney, Waste, *(Echo looks at his watch)* Right well I better had go to school

**Barney:** *(Looking at what Echo has left on. Barney looks really sad).* Hmmmmmph.

**Echo:** What's wrong with you Barney? You look very sad today?

**Barney:** One of my friends is very poorly and no one seems to care.

**Echo:** Do I know them?

**Barney:** Yes you do Echo... you know them very well.

**Echo:** Well who is it...? *(Looks at watch)* you'll have to tell me later, I'm going to be late.  
*(Picks up school bag from back of chair and starts running out of the house).Exit stage right.*

**Barney:** *(He shouts at Echo as he exits the stage).* Well my friend's initials are T and F, and haven't you forgotten something...?

**Echo:** *(From backstage)* No I don't think so... see you later.

*(Barney turns off tap, radiator, fan, closes window, then turns lights off. Exit Stage right)*

## SCENE 2

*The scene is set in school. Echo, Digsby, Dizzy, Spike are all talking in a group with hushed voices.*

**Narrator :** After Barney had done all the little jobs that Echo had completely forgotten about he soars off to watch what is happening just outside Treetop Forest. With a tear in his eye he felt sad that no one cares about what was happening.

**Echo:** *(Talks loudly to the others)* Guys, guys, quick I can't wait to tell you about what Barney said to me this morning. *(Then hushed chatter during narration)*

**Narrator:** So, Echo tells his friends about Barney being upset, but he didn't really care about what Barney was trying to say to him. He was too excited by the puzzle, who was T and F...?

**Digsby Mole:** Could it be Tom Frog?

*(Echo writes each name on a piece of paper and tears it out of a notepad).*

**Echo:** Well, I saw him yesterday and he wasn't ill.

**Dizzy Rabbit:** Tania Ferret?

**Spike Hedgehog:** Terry Fish?

**Dizzy:** Timmy Fly?

**Spike:** Tony Falcon?

*Hushed chatter, as Echo writes more names on more paper and carries on ripping pages out.*

**Narrator:** Soon, Echo was surrounded by lots of pieces of paper that he had written names on, each page had a different friend's name on it. He thought this was fun.

*Enter Sparky Fox from background.*

**Echo:** Who do you think it could be, Sparky?

*Sparky looks at the piles of paper on the floor.*

**Sparky:** Why have you wasted all of that paper, Echo?

**Echo:** We're trying to find out who is poorly out of our friends and has the initials T and F.

**Sparky:** That sounds like fun, but why didn't you just use one piece of paper?

**Echo:** Because I have lots and lots of paper in a cupboard at home and here at school and it's more fun this way!

**Sparky:** Echo, do you know where paper comes from?

**Echo:** Shops?

*Echo, Dizzy, Digsby and Spike all laugh*

**Sparky:** And where do you think shops get it from?

*Echo scratches his head and looks up thoughtfully.*

**Sparky:** *(puts hands on waist)* TREES!

**Echo:** Oh, so what is all the fuss about? There are loads of trees in the forest! Anyway I better tidy this up before Miss Tawny gets here because she will make me take it to the recycle bin next door and I can't be bothered doing that.

*Echo's friends snigger, Echo gets the paper and runs to the bin in his classroom.*

**Sparky:** Echo... STOP!

**Echo:** Not you again!

**Sparky:** Yes me again, you should be putting that paper in the recycle bin next door.

**Echo:** I've told you, we have lots of trees in the forest so what's the problem? It's time for football now anyway, so leave me alone!

*(Echo shoves past Sparky and starts to walk off stage)*

**Sparky:** *(Shouts after Echo)* I know who Barney is worried about... I know who has the initials T and F...

**Echo:** Who is it?

**Sparky:** Not someone, something...

**Echo:** *(Looks puzzled)* Barney is worried about something that is very ill?

**Sparky:** *(Shouting)* TREETOP FOREST! Barney is worried about Treetop Forest, and so is the Treetop Council. That's why they have called a meeting tonight.

**Echo:** I'm worried too now... we should all go to the meeting.

### SCENE 3

*The scene is set in a meeting room. Barney, the Mayor and other important animals are behind a big table, and other animals are sat in rows. Echo, Dizzy Rabbit, Sparky Fox and Spike are sat in the back row.*

**Narrator:** At the Treetop Council meeting the Mayor was telling all the animals about energy. Echo was now starting to think what has all this talk about energy got to do with Treetop Forest.

**Mayor:** We need energy to heat our homes, provide light, cook our food, power TV's and laptops and also for transport.

**Dizzy:** So where does energy come from?

**Barney:** Energy comes from natural resources like wind, water and the sun. It also comes from coal and gas in the ground and... *(Pause)*.

**Dizzy:** And what Barney?

**Barney:** Wood. In Treetop Forest most of our energy comes from wood.

**Echo:** Well, that's alright then, because we have lots and lots of wood.

**Barney:** *(Shakes head)* It's true that we did have lots of wood, but we are using it too quickly. We don't have enough to build new homes we need or to burn on our fires when winter comes. We need more and we need it now.

**Mayor:** We have no other choice, we are going to have to cut down a big area of the forest. We have decided to cut down the oldest trees in the forest as they are the biggest and will supply the most energy.

**Echo:** *(Mutters under his breath)* Energy, energy, energy.

**Mayor:** We have decided to cut down... *(Hesitates and clears throat)* Shady Copse. We are going to cut down Shady Copse and we will start tomorrow.

**Echo:** You're going to cut down Shady Copse? But that is where I live! *(Stands up and waves hands to get everyone's attention)*. You can't cut down my home! There must be something else you can do... we can save energy... we can...

**Mayor:** It's too late. You should have thought about that earlier. We all should.

## SCENE 4

*Scene is set in the forest, Echo is sat leaning at the base his tree, Echo is looking sad and doesn't want to move. With workmen all around ready to cut down the trees Echo is struggling to say goodbye to his home.*

**Narrator:** As dawn broke over Shady Copse, all of the animals that lived in the trees prepared for one of their worst days. All the families stood by and watched as the work animals were getting ready to move in and cut down the great tree. Soon it would be time to say goodbye to the tree that has been their home for many years.

**Echo:** *(Says to himself out loud)* If only I could turn back the clock.

**Narrator:** As the work animals move in closer, ready to start cutting down the tree. Echo is still standing next to the tree. As the other families cleared, he just wanted to spend a few more minutes with the tree remembering the good times he had growing up there. Everything was about to change, and it was all happening because he used too much energy.

As the work animals turn on their chainsaws and noisy equipment Echo is still at the bottom of the tree...

**Echo:** I'll change, I'll recycle and save energy, I will do anything if you just stop.

*The work animals move closer, ready to chop down the tree.*

**Echo:** Stop, stop! Please stop!

**Narrator:** But it was too late, the work animals moved in and started to cut down the tree. None of them could hear Echo as he shouted and branches started to fall down from the tree.

**Echo:** Help, someone help me! I don't want them to cut down the tree!

*Barney enters the stage*

**Barney:** Come on Echo, *(takes Echo by the arm)* before you get hurt.

**Narrator:** Treetop Forest had changed forever. Where once the tall oaks had shaded woodland ferns there was now just an open space covered in sawdust and broken twigs. Barney had been right all along.

**Echo:** I'm so sorry Barney, I should have listened. You were right Barney but I wouldn't listen.

**Barney:** Everything will be alright, my friend. You are listening now and it's never too late to change. There is no need to apologise to me but there is someone you should say sorry to.

**Echo:** Who?

**Barney:** Sparky Fox, you really should say sorry to Sparky and learn from all the things he has done to save energy.

**Echo:** You're right Barney, I should apologise to Sparky and I really want to learn how to save energy. Can we go and see him now?

**Barney:** Yes of course.

## SCENE 5

*The scene is set in Sparky Fox's house, which has recycle bins, is built with sustainable materials, has low energy light bulbs and solar panels.*

**Narrator:** Barney and Echo make their way to Sparky's house, which is a lot different to what Echo's was like. It's built from sustainable materials and they recycle or reuse everything they can.

*Echo knocks on Sparky's door.*

**Sparky:** *(opens door then opens arms and gives him a hug)* Come on in and let me show you around my home. Perhaps you will get some ideas for when you build your own. Until then, you can stay here.

**Echo:** Thank you!

**Narrator:** Sparky shows Echo the different recycle bins, explaining what goes in each bin and why you need to recycle.

**Sparky:** These are low energy light bulbs, they use less power than the ordinary ones and they last much longer.

**Echo:** I'll bet that you turn them off when you don't need them as well?

**Sparky:** And the heating, and the TV, and the computer. Everything we can save helps us protect the environment. If we look after Treetop Forest, Treetop Forest will look after us. Let me show you something outside.

*All three go outside.*

**Narrator:** Sparky points to three panels on the roof of his house.

**Sparky:** Those are solar panels, they use sunlight to make energy that heats our home and provides us with warm water.

**Narrator:** Echo was starting to think differently, he was aware of the impact wasting energy can have. He didn't want anybody else to go through what he had been through, and wanted to make a difference. He thought about things he can do to make his new home environmentally friendly, and how he can help others change their ways too. Echo went on to start an Eco Club in his school where the other animals could learn about saving energy and looking after the environment. We can all learn something from Echo, although our houses aren't built in trees there is still a lesson to be learned. We all need to do our part to reuse things, recycle, and reduce waste. There are lots of things we can all do to help save our planet for our future.

*Black out*

*All Characters to front of stage*

*LIGHTS UP*

*TAKE A BOW*



**We hope you and the children have all enjoyed Barney and Echo Sparky's Big Idea and have learned a number of valuable lessons.**

**Feedback from schools is vital to our future programmes and we would appreciate if you would take a moment to complete the short and simple feedback form on the website.**

[www.barneyecho.co.uk](http://www.barneyecho.co.uk)

