

# EYFS – Lesson Plan

## Introduction

### **Equipment:**

- Story book
- Take home worksheet (1 per child)
- Pencils
- 1x name sticker per child

### **Set Up:**

Get the children to sit on the story telling carpet

### **Introduction:**

Does anyone know the name of the planet we live on?  
We are going to learn about the earth today and do some fun activities.

### **Activity:**

Read the story book.

Note the interactive notes shown in red italics. An assistant could be useful to pass the props to the children as required.

### **Understanding:**

After the story discuss what happened.

Give out the worksheets and get the children to write their name or put their name sticker in the space provided.

## The Story:

Once upon a time there was the earth.

*Child to hold the globe*

He was made up of land and lots of water.

*Ask the children to point out the land and water*

The earth had lots of people living on it. They did lots of different things:

*Children to act out the below as you read the story*

Driving cars, Vacuuming and using their I Pads.

These things were upsetting the earth as they cause horrible, dirty pollution

*Child holding Earth to look sad and cough*

The people on the earth were using lots of energy.

The earth decided he needed to call his friend Super Sun

*Child to hold up the picture of the "Super Sun"*

*Child holding the Earth to pretend to phone the sun.*

"I need your help" he said. "I need you to show these people how to use energy that won't cause pollution".

"No problem" said the sun. "I am so strong, I will show how I can give them energy without hurting you.

My friends Whooshing Wind and Wonderful Water can also help give energy."

*Child to hold up the picture of "Whooshing Wind"*

*Child to hold up the picture of "Wonderful Water"*

After a short while, the people started to use the sun, water and wind to give them energy.

The people found clever things to help them collect the energy called solar panels, heat pumps and wind turbines.

*Child to hold up cards showing Solar Panels*

*Child to hold up cards showing Heat Pumps*

*Child to hold up cards showing Wind Turbines*



*Have you got solar panels on your house? Have you seen them?*

Before long, these things could be seen all over the planet, on the roofs of houses, in people's gardens and even out at sea.

The people also learnt ways to stop wasting energy by turning things off when they weren't using them.

*What can we turn off to save energy? Discuss their ideas.*

Because the people tried hard to make these changes the earth lived happily ever after.

*Child holding Earth to look happy and cheer*

The End



## Session One: What Do We Use Energy For?

### Equipment:

- Activity Cards
- Class "Turn off" pledge sheet
- Light switch stickers
- Pencils
- 1x name sticker for each child
- Green / Red signs (optional)

### Set Up:

There are several ways you could play this game. Outside is ideal to give more running space.

Make one side of the room "Yes" or "Green" and one side of the room "No" or "Red". Use the coloured signs if this would help the children.

You could alternatively stand in a circle holding hands and run into the centre for "yes" and out for "no".

If you have limited space, you could stand up for "yes" and sit down for "no".

You could do more than one!

### Introduction:

We use lots of energy by using electricity, using things we have to plug in like TVs and computers. We are going to play a game to see if you know what uses electricity and what doesn't. If you think it does run to this side, if you think it doesn't run to this side.

### Activity:

#### Game:

Hold up pictures of activities and ask the children to run to do the relevant action to show whether they think the activity uses electricity or not.



### **Discussion:**

Ask them to do more activities that don't use energy. If they do use the TV, games consoles and lights they need to turn them off when they are not using them.

Ask the children to count how many children are in the classroom.

That's x amount of bedroom lights that might be left on. Can we all turn them off? Think how much energy we will save and help the earth.

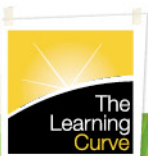
### **Understanding:**

Put your hand up if you are going to try and remember to turn off your light when you are not using it.

Write or stick your name on the class sheet "I am going to try to remember to turn off my bedroom light".

In the classroom, can you take it in turns to turn the classroom light off? It will keep the earth happy but also the head teacher!

Take a sticker and put it on your worksheet to show that you are going to try to turn things off



## The Powerful Sun

### Equipment:

- 1x ice cube per child
- 1x plastic cup per child
- 1x paper towel per child
- Coloured pencils
- Pencils

### Set Up:

Sit the child on the carpet and give them an ice cube, a plastic cup and a paper towel. Ask them to hold the ice cube in their hand over the cup.

### Activity:

The sun is very powerful and magical. It is a long way away. It is so far away that if you flew there on an aeroplane, you would all be nearly as old as your mummies and daddies by the time you get there. If you came back again, you would be nearly as old as your Grandmas and Grandads.

The sun is magical. Even though it is so far away it is hot enough to melt our snowmen and change them into puddles! The sun keeps us warm and helps our plants to grow.

You too are magical, the heat from your hands is doing the same job the sun does, it is passing its heat energy on. So, what happens to ice cubes when they get hot?

*They turn into water*

The ice cubes have changed from a solid ice cube to water which is a liquid. You are all magicians!

### Understanding:

Let's colour in the sun on your worksheet to show how great it is. Try and write the word "sun" in the space or trace the letters.



## Saving Water

### Equipment:

- Class "Saving Water" pledge sheet
- Tap stickers
- Toothbrushes
- Running water
- Food colouring (optional)
- Buckets / water containers
- Stop watches / 2 minute egg timers
- Pencils
- 1x name sticker for each child

### Set Up:

Arrange children near the tap. If budget permits, give half the class a toothbrush and give out the timers and water monitor jobs to the other half. They will all swap half way through.

Note: They will all need their own toothbrush. Consider where you will put these brushes to avoid confusion.

Jobs: Tap monitor, timers (as many different types of timing as possible), teeth-brushing

### Introduction:

Who brushes their teeth? Twice a day?

Do you know you should brush your teeth for two minutes?

It's quite a long time but important to make sure you do a good job, the tooth fairy doesn't want dirty, rotten teeth.

It's also important to turn the tap off while you are brushing your teeth.

### Activity:

Gather the children near a tap. Get a couple of children to come to the front and give them a toothbrush. Give toothy timers to as many children as possible to share. Get another child control the tap (with an adult).

- 1) The timers start timing
- 2) The Tap monitor turns on the tap, the tooth brusher wets the brush and pretends to brush his/her teeth leaving the tap running into the funnel
- 3) When the timer runs out, the children shout stop
- 4) The tap gets turned off

Swap jobs with the rest of the class (remembering to issue a new toothbrush).

Repeat into a new container. This time the tap gets turned off after the toothbrush is wet. They would “rinse” the brush a couple of times, each time turning off the tap.

After two minutes compare the two quantities.

If possible, add a drop of food colouring to the water to make it show up more and point out to the children the difference in the amount.

Get them to count the number of people in the room or group. Point out that if we all turn off the tap, we will save lots of water every time we brush our teeth. It’s also important to check the tap is off properly after washing your hands.

### **Understanding:**

Ask who is going to try to remember to turn the tap off when they brush their teeth.

Write or stick your name on the worksheet “I am going to try to remember to turn off the tap when brushing my teeth”.  
Take a tap sticker and put it on your worksheet





## Conclusion

### Equipment:

- Whiteboard & laptop
- Video clips (access to Youtube required) - optional

### Set Up:

Get the children to sit on the carpet. If possible use a whiteboard to show video clips. If not, pictures can be used or just discussion.

### Activity:

The sun, wind and water are very very powerful. Look at the videos / pictures to see how strong they are.

### Discussion:

The sun is so powerful that, although it is so far away, it can cook an egg!

The water can be so strong that it can push big lorries along and knock bridges down

The wind can be so strong it can knock trees and buildings down

### Understanding:

We have learnt ways you can all help to make the Earth happy, what are they?

- Turn taps off
- Turn lights off

You have all got stickers on your sheets to take home and show your grown-ups what you have learnt.

Who thinks they can make a difference to help the Earth?

You can all make a difference.

