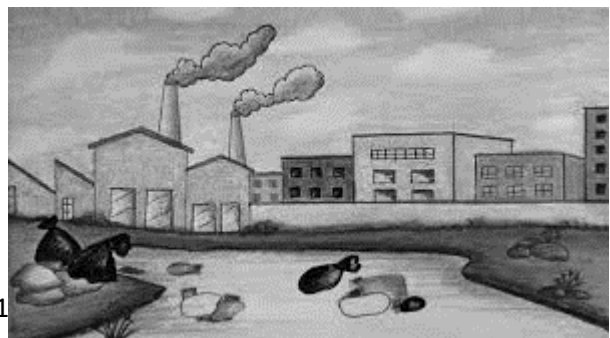


GOD IS PURE AND HOLY

Pollution & Conservation

Year 7

Term 2



Thinking Skills Pure & Holy Yr 7

<p style="text-align: center;">Pollution and waste management 1</p> <p>Many families in South-East Asia exist by collecting recycled material from rubbish dumps.</p> <p>Brainstorm 10 ways of helping these people to have a better life.</p>	<p style="text-align: center;">Pollution and waste management 2</p> <p>What if the world's population doubled.</p> <p>Write down 10 possible consequences.</p>
<p style="text-align: center;">Pollution and waste management 3</p> <p>Brainstorm 5 ways of cutting down on packaging material from the products we buy.</p>	<p style="text-align: center;">Pollution and waste management 4</p> <p>Draw a greenhouse for plants. Now, redesign it by using the following steps:</p> <p>B – bigger</p> <p>I – instead of</p> <p>N – nonsense</p> <p>G – get rid of it</p> <p>O – other uses</p>
<p style="text-align: center;">Pollution and waste management 5</p> <p>How many ways could you clean up oil spills?</p> <p>Give 5 completely different ways.</p>	<p style="text-align: center;">Pollution and waste management 6</p> <p>Think of 3 different types of material in your recycling bin.</p> <p>Now find 5 different uses for each of these.</p>

Thinking Skills Pure & Holy Yr 7

<p>Pollution and waste management 7</p> <p>The answer is</p> <p>recycling.</p> <p>Make up 5 questions.</p>	<p>Pollution and waste management 8</p> <p>Large cities are running out of space for rubbish dumps.</p> <p>Brainstorm 3 major solutions and write a description for each.</p>
<p>Pollution and waste management 9</p> <p>Draw your own innovative machine for waste management and label the various parts of the machine and what function these perform.</p>	<p>Pollution and waste management 10</p> <p>Design a lawn sprinkler which:</p> <ol style="list-style-type: none">1. Turns off when it rains2. Only waters chosen plants3. Can work indoors or outdoors
<p>Pollution and waste management 11</p> <p>Design a serious alternative to:</p> <p>everyone living in their own house on their own block of land.</p>	<p>Pollution and waste management 12</p> <p>A strange disease strikes the world's forests, and half of all trees die quickly.</p> <p>Write down 10 consequences of this.</p>

John Wesley

Biography

John Wesley was born in England in 1703. He went to Oxford University and gained his Master of Arts degree. He witnessed about his faith to many young men and they joined together to follow a very strict and methodical life style, including the way they worshipped God and helped the poor people.

Life was hard for the poor people in those times: If they could not pay their debts they were put in prison. If they were healthy, they had to work from sunrise in the morning until it was too dark to see in the evening. If they were sick, there was often no one to care for them. John and his friends would go to visit these poor, lonely, unhappy people. They would read the Bible, sing songs, and pray with them.

John and his friends became ministers. John Wesley could not forget that, in addition to those who came to church services on Sunday, there were many other people who needed a minister. He often went for long walks looking for people he could help.

The people wanted so much to hear John Wesley preach that they would gather in a field for a worship service before going to work. The men would hold torches so they could see him as he preached in the darkness of the early morning. John and his brother Charles wrote special songs (called hymns) for them to sing. Many people repented of their sins and found new meaning for life as they responded to the good news of God's love in Jesus Christ. The changes were amazing. Rough and brutal men became kind and gentle. Drunken men became sober. Criminals became respectable citizens and deeply religious people.

Many would become so interested in what John Wesley was trying to do that they would become his helpers. Wesley sent his helpers to find other groups and preach to them in the same way that he was doing. Then he and his helpers would meet together. They would talk about what they had done and how to do it better. Those who had little or no education learned to read and write while walking or riding on horses. Soon there were little groups of people all over England trying to live the way John

Wesley taught them to the right way to live. They still belonged to the Anglican Church, but after John Wesley died in 1791, they became a separate church. They were called Methodists, and now the Methodist Church is found in many countries all over the world.

Pollution and Recycling 1

What is pollution?

Student activities

Pollution happens when people leave rubbish or harmful chemicals in the air, soil or water.

Chemicals are the things that everything around us is made from. There can be good or bad chemicals. Bad chemicals are harmful to people, animals, plants and the earth. Bad chemicals are called toxic chemicals. Toxic chemicals can come into our world when factories are not careful about the waste products coming from the things they make.

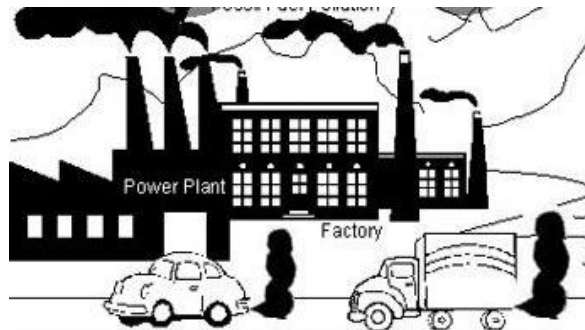
Chemicals can be solid, liquid or gas.

Chemicals in the air cause air pollution. We often see this in big cities.

Car fumes also cause chemicals in the air.

Chemicals in the air make it hard for people to breathe.

- 1. What kind of rubbish do people leave around?*
- 2. Draw a busy city and in your drawing, show how air pollution can be caused.*



Pollution and recycling 2

Garbage

Garbage is rubbish that people leave around.

Garbage in the ocean kills fish, sea animals and sea plants.

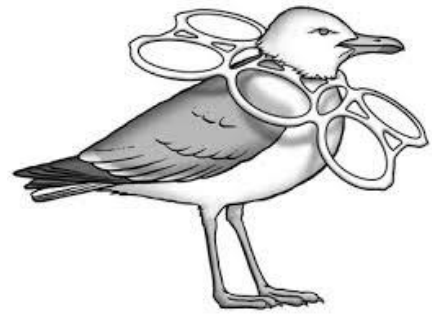
Fish can get tangled up in plastic bags.

Dolphins can get plastic rings caught around their necks.

Fish and whales accidentally eat plastic, which makes them sick.

Garbage makes the beach look like a garbage dump. People don't like to swim there because it smells.

- 1. What kind of garbage do people sometimes leave on the beach?*
- 2. Draw some sea creatures tangled up in garbage.*
- 3. Why should we keep our schools and our community free of garbage?*
- 4. How can we stop people leaving rubbish around?*



Pollution and Recycling 3

What happens to garbage?

This is what can happen to the garbage that we put in the bin:

In cities, the garbage gets collected by a garbage collector and taken to a big dump.

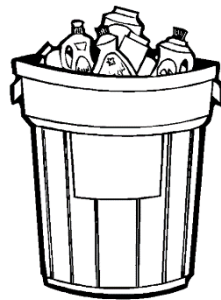
Away from the cities, where there is no garbage collector, people can burn some of their rubbish.

They can only burn paper and cardboard. They must not burn plastic because it makes toxic chemicals when it is burnt.

They can throw plant waste, like vegetable scraps, into a hole and bury it. The plant waste will rot. This is called compost. The plants turn back to soil.

Plastic, glass and metal will not rot. They must go to a big dump.

- 1. What happens to your garbage at home?*
- 2. How can you get rid of plant waste?*
- 3. Why should you not burn plastic?*
- 4. Why could it be a problem if the world uses lots of plastic, glass and metal?*



Pollution and Recycling 4

What is recycling?

Recycling is using things for more than one purpose.
Recycling is turning used things into something that can be used again.

You can recycle plastic, glass, paper and metal. It is good to do this because plastic, glass and metal don't rot like plants do.

Plastic, metal and glass can be melted in a factory and made into other things. In some cities, there are special bins for rubbish that can be recycled.

We can recycle plastic bags at home by using them for other things.

If we recycle things made from plastic, glass, paper and metal, then there will be less garbage in the rubbish dump.

- 1. What could you use a plastic bag for?*
- 2. What would happen people kept putting plastic, metal and glass in the rubbish dump and never recycled any of it?*



Pollution and Recycling 5

Doing the right thing



1. *The two people in the top pictures are doing the right thing. What are they doing?*
2. *The person in the bottom picture is not doing the right thing. Why not?*

Pollution and Recycling 6

Water pollution

Water can become polluted from factories that allow their waste to flow into rivers and the sea.

Water can also become polluted from people throwing rubbish around rivers and beaches.

List all the problems you can think of that polluted water may cause.



Pollution and recycling 7

The rubbish dump

Write about these pictures. What is happening?

Make a list of all the creatures that might live in a rubbish dump.

Why are some of these creatures a problem?

How can we make less rubbish so that our rubbish dumps don't become too big?



Pollution and recycling 8

Four ways to recycle

Look at the picture below. Think about what the people are doing. Now draw four pictures and write about how we can recycle:

1. Food scraps and garden waste.
2. Paper
3. Glass, plastic and metal
4. Clothes

