

Y4 Medium Term Plan Autumn 2

	<u>Science</u>	Humanities	RE	Computing
Theme	Concernee Theme: states of matter continued Key skills: asking relevant questions and using different types of scientific enquiries to answer them setting up simple practical enquiries, comparative and fair tests	Theme: Rivers and the water cycle Key skills •Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied •Use the eight points of a compass, four figure grid references, symbols	Theme: Christianity **key question: What is the most significant part of the Nativity story for Christians today?** Key skills: Interpretation Empathy	Unit 4.9 Making Music AND Unit 4.6 Animations Key Skills; • To identify and discuss the main elements of music o Pulse o Rhythm
	making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers gathering, recording, classifying and presenting data in a variety of ways to help in answering questions	 and key (including the use of Ordnance Survey maps) to build their knowledge of the United Kingdom and the wider world Use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods 	Investigation Application Analysis Evaluation Expression Reflection Key knowledge:	o Tempo o Pitch o Texture • Create a simple animation on a program • To edit an animation by adding backgrounds and onion skinning Key Knowledge:
	recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions using results to draw simple conclusions, make predictions for new values, suggest improvements and	Key knowledge •Locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities Describe and understand key aspects of: -Physical geography, including rivers and the water cycle and	To understand that a symbol is a picture that stands for something else. To know the difference between a religious and commercial christmas symbol Religious: star or candle, for the star of Bethlehem; a fir tree, to represent everlasting life; wreath, a symbol of neverending life; bell, everyone is previous in the eyes of the Lord; a gift with a bow, A ribbon is tied around a gift to represent how people should all be tied together in bonds of unity and goodwill during the holiday season; a candy cane, to represent the shepherd's crook. Other symbols are: angels, poinsettias, the nativity scene,	 Know what melody is (sequence of single notes) Know what pitch is (highness or lowness of sound) Understand how music is created To know what an animation is (a sequence of pictures moving in a frame) To know what onion skinning is in animation (to see multiple frames at once in order to edit)

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raise further questions identifying differences, si changes related to simple ideas and processes using straightforward scie evidence to answer ques support their findings. Key Knowledge: compare and group mate according to whether the liquids or gases observe that some mater	 e scientific energy, food, minerals and water Heat from the Sun causes water on Earth (in oceans, lakes etc) to evaporate (turn from liquid into gas) and rise into the sky. This water vapor collects in the sky in the form of clouds. Condensation: As water vapor in the clouds cools down it becomes water again, this process is called condensation It is called a cycle because the water keeps going round and eventually gets reused. To know there are different types of clouds Stratus/strato - flat or layered, smooth Cumulus/cumulo - heaped up and puffy, 	Jesus, a christingle Commercial: Santa Claus, bauble, christmas cards, christmas dinner, crackers, mulled wine, reindeers. To recognise the important symbols in the christmas story: The angel symbolises that Jesus was not just an ordinary man. Angels are not an everyday occurrence and were there to show people that Jesus was a special gift from God. The Incarnation of God. The star guided the wise men just as Jesus is the light that guides people to God. The wise men and the Shepherds are an interesting contrast between rich and poor, symbolising that Jesus is a gift from God to everyone. The gifts from the wise men: gold is a precious metal symbolising how precious Jesus is and represents his Kingship.	
state when they are heat		Jesus is and represents his Kingship. Frankincense is used in perfume and	
and measure or research temperature at which this	· · · · · · · · · · · · · · · · · · ·	incense and represents Jesus' priestly role. Myrrh is also used in perfumes and incense	
degrees Celsius (°C)	Nimbus/nimbo - rain-bearing	and in Jesus' day was an embalming ointment which symbolises his death.	
identify the part played b and condensation in the and associate the rate of with temperature.	water cycle f evaporation and the sea has to be treated to make it safe to use and drink. Different methods an used to do this, such as sedimentation, filtration and chlorination. Learn also about the processes of fluoridation, desalination	The manger and stable were humble beginnings for a 'King'.	
	and distillation. To know that water pollution is : Discharge of domestic and industrial effluent wastes, leakage from water tanks, marine dumping	To understand the conception of incarnation: a person who embodies in the flesh a deity, spirit or quality.	
	radioactive waste and atmospheric deposition are major causes of water pollution. Heavy metals that disposed off and industrial waste can accumulate in lakes and river, proving harmful to humans and animals	To know that a Christingle, for Christians, represents "christ's light" and each part has its own meaning. The orange represents the world, the candle is to remind us of Jesus as Christians believe Jesus is the light of the world. The red ribbon goes all around the 'world' and	
	Unsafe water kills more people each year than war and all other forms of violence combined. Meanwhile, our drinkable water sources are finite: Less than 1 percent of the earth's	reminds Christians that Jesus died because it symbolises His blood. The four cocktail sticks have two meanings; the four seasons or the four corners of the world and the sweets or dried fruit symbolise God's gifts to the world including kindness and love.	
	freshwater is actually accessible to us.		
Week 1 S.K.L.O: To deepen my understanding of gases a	around us countries within the continents of	**engagement lesson**	Unit 4.9
	Europe, North and South America	L.O: To recognise and understand	LO: To explore different elements of

 W.S.L.O: To use results to draw simple conclusions ** in this lesson, the children get to delve deeper into what a gas actually is. I have linked the various activities and website below- I feel could be done in one double lesson (the smelling one could be with only a couple children finding it, and the rest watching) https://hamiltontrust-live-b211b12a2ca14cbb94d6-36f68d2.divio-media.net/documents/LKS2 Science Yr 4 Autumn2 States of matter Ses sion 2 Resource.pdf https://www.hamilton-trust.org.uk/science/year-4-science/states-matter-states-matter- 	 ** children to have an outline of a part of Europe or North America (higher children can have South America, larger area of Europe or less well known countries to place in a full outline of a continent) and to use map and atlases to dissect the continent into its countries, and then to pinpoint their capital cities.** Key skills Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied Key knowledge Locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical 	the importance of symbols **key question: What is the most significant part of the Nativity story for Christians today?** Key skills: Interpretation- interpret different symbols that they come across in everyday life. Empathy- understand that some symbols that they know are used, other children may not have the same feelings towards, or may not know them. Key knowledge: Some symbols are cultural and so may not be recognised world wide.	music Key Skills: • To identify and discuss the main elements of music o Pulse o Rhythm o Tempo o Pitch o Texture Key Knowledge: • Pupils can explain how a piece of music makes them feel.
scientists/	and human characteristics, countries,	To understand that a symbol is a	
^^lesson 2 "it's a bit gassy" will give you the resources needed	and major cities	picture that stands for something else.	
Key skills:	Countries in Europe:	that stands for something else.	
 asking relevant questions and using different types of scientific enquiries to answer them making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers gathering, recording, classifying and presenting data in a variety of ways to help in answering questions recording findings using simple scientific language, drawings, labelled 	Albania, Andorra, rmenia, Austria, Azerbaijan Belarus, Belgium Bosnia and Herzegovina Bulgaria, Croatia, Cyprus, Czechia, Denmark Estonia, Finland, France Georgia, Germany, Greece Hungary, Iceland, Ireland, Italy Kazakhstan, Kosovo Latvia, Liechtenstein Lithuania, Luxembourg Malta, Moldova, Monaco, Montenegro, Netherlands, North Macedonia (formerly Macedonia) Norway, Poland, Portugal		
diagrams, keys, bar charts, and tables reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and	Romania, Russia, San Marino, Serbia, Slovakia, Slovenia, Spain, Sweden Switzerland, Turkey, Ukraine, United		

	conclusions using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions identifying differences, similarities or changes related to simple scientific ideas and processes using straightforward scientific evidence to answer questions or to support their findings. Key Knowledge: observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C)	Kingdom (UK), Vatican City Countries in North America: US, Canada, Greenland, Mexico, Cuba, Panama, Jamaica, Haiti, Costa Rica, Guatemala, Puerto Rico, The Bahamas, Dominican Republic, Belize, Nicaragua, El Salvador, Barbados, Dominica, Honduras, Saint Martin, Saint Kitts and Nevis, Grenada, U.S Virgin Islands, Saint pierre and Miquelon, Turks and Caicos, Cayman islands, Guadeloupe, Antigua and Barbuda, Martinique, Saint Lucia, Saint Bathelemy, British Virgin Islands, Anguilla, Saint Vincent and the Grenadines, Montserrat Countries in South America: Brazil, Argentina, Colombia, Peru, Chile, Ecuador, Bolivia, Venezuela, Guyana, Uruguay, Suriname, Paraguay, French Guiana, Trinidad and Tobago, Aruba, Curacao and Caribbean Netherlands.		
	and measure or research the temperature at which this happens in	Uruguay, Suriname, Paraguay, French Guiana, Trinidad and Tobago, Aruba,		
Week 2	 K.L.O: To investigate whether all solidified liquids take the same amount of time to return to liquid form W.S.L.O: To make careful observations and measurements **have three solidified liquids- ice, chocolate (that has been melted first), and yogurt (that has been frozen into an ice cube. Children to then observe how long it takes for them to melt back into liquid form and then investigate and conclude through particle 	 L.O: To understand and describe the water cycle **link in this lesson to evaporation and condensation from Science too** Key skills Use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods 	 **investigation lesson** L.O: To begin to look at religious and commercial symbols of Christmas **key question: What is the most significant part of the Nativity story for Christians today?** Discuss different symbols of Christmas. Begin to sort them into religious and commercial (what they think). 	 LO: To experiment with rhythm and tempo Key Skills: Pupils can identify and recall a simple rhythm. Pupils can create their own simple rhythm using Busy Beats. Key Knowledge: Pupils can explain what tempo is and how changing it can change the mood of a piece of music.

Ionger/dKey skimaking observa taking a standar equipme and datgatherir present help in a recordir scientifi diagramrecordir scientifi diagramreportin includin displays conclus values, raise ful identifyi changes ideas alKey Kn observe state wh and me tempera	systematic and careful ations and, where appropriate, accurate measurements using of units, using a range of ent, including thermometers ca loggers ng, recording, classifying and ting data in a variety of ways to answering questions ng findings using simple to language, drawings, labelled ns, keys, bar charts, and tables ng on findings from enquiries, ng oral and written explanations, s or presentations of results and	Key knowledge Describe and understand key aspects of: -Physical geography, including rivers and the water cycle and Heat from the Sun causes water on Earth (in oceans, lakes etc) to evaporate (turn from liquid into gas) and rise into the sky. This water vapor collects in the sky in the form of clouds. Condensation: As water vapor in the clouds cools down it becomes water again, this process is called condensation It is called a cycle because the water keeps going round and eventually gets reused.	Read the Christmas story and then see which symbols are religious and used in the story. Were there any you missed? Children can then put these into their book in a table of religious and non-religious symbols. Key skills: Investigation- investigating different symbols. Investigating the difference between religious and commercial symbols. Application- applying knowledge known and learnt about Christianity Key knowledge: To know the difference between a religious and commercial christmas symbol	
	D: To investigate how the of citric acid affects the rate of	LO: To explain how clouds and rain are formed	**investigation lesson** L.O: To investigate the meaning of	LO: To explore melody and pitch Key Skills:

	Key skills	different symbols	 To create a melodic phrase. Pupils can use a variety of
W.S.L.O: To make careful	•Use maps, atlases, globes and		notes, experimenting with
observations and measurements	digital/computer mapping to locate	**key question: What is the most	pitch.
	countries and describe features	significant part of the Nativity	Key Knowledge:
A few ingredients in these bath	studied	story for Christians today?	 Know what melody is
bombs create a fizzy reaction: baking		, ,	(sequence of single notes)
soda, citric acid, and bath water. When	 Use the eight points of a compass, 	Go back through the religious symbols	 Know what pitch is (highness
the two dry ingredients, baking soda	four figure grid references, symbols	of Christianity in the Christmas story	or lowness of sound)
and citric acid, hit the bath water, they	and key (including the use of Ordnance	and research what they mean and	
react and create carbon dioxide	Survey maps) to build their knowledge	symbolise.	
bubbles. The bigger your bath bomb,	of the United Kingdom and the wider	2	
the longer this reaction will last.**	world		
		Key skills:	
Key skills:	 Use fieldwork to observe, measure, 	Interpretation- interpret the meaning of	
asking relevant questions and using	record and present the human and	different symbols	
different types of scientific enquiries to	physical features in the local area	Investigation- investigating the	
answer them	using a range of methods	meaning of different symbols	
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setting up simple practical enquiries,		Key knowledge:	
comparative and fair tests	Key knowledge	-	
making a sector attack and a sector	 Locate the world's countries, using 	To know the difference between a	
making systematic and careful	maps to focus on Europe (including the	religious and commercial christmas	
observations and, where appropriate,	location of Russia) and North and	symbol	
taking accurate measurements using	South America, concentrating on their		
standard units, using a range of	environmental regions, key physical	To recognise the important symbols in	
equipment, including thermometers	and human characteristics, countries,	the christmas story:	
and data loggers	and major cities	The angel symbolises that Jesus was	
nothering, recording, cloself ing and		not just an ordinary man. Angels are	
gathering, recording, classifying and	Describe and understand key aspects	not an everyday occurrence and were	
presenting data in a variety of ways to	of:	there to	
help in answering questions		show people that Jesus was a special	
recording findings using simple	-Physical geography, including rivers	gift from God. The Incarnation of God.	
recording findings using simple scientific language, drawings, labelled	and the water cycle	The star guided the wise men just as	
diagrams, keys, bar charts, and tables		Jesus is the light that guides people to	
alagranis, reys, bai chans, and iddles	Clouds are created when water vapor,	God.	
reporting on findings from enquiries,	an invisible gas, turns into liquid water	The wise men and the Shepherds are	
including oral and written explanations,	droplets. These water droplets form on	an interesting contrast between rich	
displays or presentations of results and	tiny particles, like dust, that are floating	and poor, symbolising that Jesus is a	
conclusions	in the air. That means some of the liquid water in the towel or bowl	gift from God	
		to everyone.	
using results to draw simple	changed into an invisible gas called	The gifts from the wise men: gold is a	
conclusions, make predictions for new	water vapor and drifted away into the	precious metal symbolising how	
values, suggest improvements and	atmosphere.	precious Jesus is and represents his	
raise further questions	To know there are different types of	Kingship.	
	clouds:	Frankincense is used in perfume and incense and represents Jesus' priestly	
identifying differences, similarities or	Stratus/strato - flat or layered,		
changes related to simple scientific		role. Myrrh is also used in perfumes and incense	
ideas and processes	smooth	and incense and in Jesus' day was an embalming	
	Cumulus/cumulo - heaped up and	and in Jesus day was an empairiling	

	using straightforward scientific evidence to answer questions or to support their findings. Key Knowledge: compare and group materials together, according to whether they are solids, liquids or gases observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C) A few ingredients in these bath bombs create a fizzy reaction: baking soda, citric acid, and bath water. When the two dry ingredients, baking soda and citric acid, hit the bath water, they react and create carbon dioxide bubbles. The bigger your bath bomb, the longer this reaction will last.	puffy, like a cauliflower Cirrus/cirro - high up, wispy Alto - medium level Nimbus/nimbo - rain-bearing	ointment which symbolises his death. The manger and stable were humble beginnings for a 'King'. The stable continues to represent humble beginnings as there was no room for Jesus which runs parallel to people not finding room in their lives for God. To understand the conception of incarnation: a person who embodies in the flesh a deity, spirit or quality.	
Week 4	 S.K.L.O: To investigate the relationship between temperature and pressure W.S.L.O: To make systematic observations **As the flame burns inside the bottle, it heats up the air around it, causing it to expand. If you see your egg vibrating slightly, this is because air is escaping from the bottle. When the flame goes out, the air in the bottle cools and shrinks. This is what sucks the egg into the bottle!** https://www.homesciencetools.com/artic cle/egg-in-bottle-project/ 	 LO: To understand how water can be treated and made clean Key skills Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied Use the eight points of a compass, four figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge of the United Kingdom and the wider world Use fieldwork to observe, measure, record and present the human and physical features in the local area 	 **investigation lesson** L.O: To create a symbol of Christmas **key question: What is the most significant part of the Nativity story for Christians today?** Children to make their own Christingle and to look at what all the aspects symbolise about Christmas Qu to ask: Is there any part of your Christingle that represents a part of the original nativity story? Key skills: 	 LO: To compose a piece of music. Key Skills: Pupils can experiment with pitch, rhythm, and melody to create a piece of house music on Busy Beats. Key Knowledge: Understand how music is created

Key skills: asking relevant questions and us different types of scientific enqui answer themsetting up simple practical enqui comparative and fair testsmaking systematic and careful observations and, where approp taking accurate measurements of standard units, using a range of equipment, including thermomet and data loggersgathering, recording, classifying presenting data in a variety of w help in answering questionsrecording findings using simple scientific language, drawings, la diagrams, keys, bar charts, and reporting on findings from enqui including oral and written expland displays or presentations of rest conclusionsusing results to draw simple conclusionsusing results to draw simple conclusionsidentifying differences, similaritie changes related to simple scientific evidence to answer questions of support their findings.Key Knowledge: compare and group materials to according to whether they are sc liquids or gasesobserve that some materials cha state when they are heated or cha	ries to ries, ries, Water purification. Water from rivers, lakes and the sea has to be treated to make it safe to use and drink. Different methods are used to do this, such as sedimentation, filtration and chlorination. Learn also about the processes of fluoridation, desalination and distillation. Fluoridation- Water fluoridation is the controlled adjustment of fluoride to a public water supply to reduce tooth decay. Fluoridated water contains fluoride at a level that is effective for preventing cavities; this can occur naturally or by adding fluoride. Desalination Desalination is a process that takes away mineral components from saline water. More generally, desalination refers to the removal of salts and minerals from a target substance, as in soil desalination, which is an issue for agriculture. Distillation- the action of purifying a liquid by a process of heating and cooling.	Interpretation- interpreting the different sections of the Christingle and what they think it represents Investigation- investigating what each section actually mean and represent Application- applying their prior knowledge of symbols Key knowledge: To know that a Christingle, for Christians, represents "christ's light" and each part has its own meaning. The orange represents the world, the candle is to remind us of Jesus as Christians believe Jesus is the light of the world. The red ribbon goes all around the 'world' and reminds Christians that Jesus died because it symbolises His blood. The four cocktail sticks have two meanings; the four seasons or the four corners of the world and the sweets or dried fruit symbolise God's gifts to the world including kindness and love.	

Week 5	and measure or research the temperature at which this happens in degrees Celsius (°C) identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature. S.K.L.O: To investigate whether all metal melt at the same temperature W.S.L.O: To use a table and bar chart https://www.outstandingscience.co. uk/index.php?action=view_page&pa ge=view_unit&unit=4c Lesson linked above. Lesson 1 "research melting points" Resources linked below file:///C:/Users/Teacher/Downloads/Re searching_Melting_Points.pdf <i>Children can hypothesis first whether they agree or disagree (using prior knowledge too) and then find out!</i> <i>Children will each have different parts of the information needed, and will need to try and gain information from other children in order to fill in their table. They then can plot the information on a bar chart.</i> Key skills: recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables using results to draw simple conclusions, make predictions for new values, suggest improvements and	LO: To explain the cause and effects of flooding Key skills •Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied •Use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods Key knowledge Four main types of flooding: Fluvial =Caused by rivers bursting their banks. Pluvial= Caused by rainwater. Coastal= Caused by high tides and storms. Plumbing= Broken pipes in houses and other properties Fluvial (river flooding) and pluvial (rainwater) flooding are a direct result of the water system. Pluvial flooding happens when very heavy rain fall cannot drain away quickly enough. Fluvial flooding happens when a lot of	 **expression lesson** L.O: To design your own Christmas decoration **key question: What is the most significant part of the Nativity story for Christians today?** Key skills: Application- applying the knowledge they have learnt to create their own symbol Expression- express their own ideas through their own design Reflection- reflect upon what they think is important in a Christmas symbol linked to colours, shapes etc Key knowledge: To understand that a symbol is a picture that stands for something else. To know the difference between a religious and commercial christmas symbol 	Unit 4.6 LO: To explore animation Key Skills: • Create a simple animation using a flip book • Create a simple animation on a program Key Knowledge: • To know what an animation is (a sequence of pictures moving in a frame)
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	ideas and processes using straightforward scientific evidence to answer questions or to support their findings. Key Knowledge: compare and group materials togethe according to whether they are solids, liquids or gases observe that some materials change state when they are heated or cooled and measure or research the temperature at which this happens in degrees Celsius (°C)			
	metalsMetalMelting point (°C)Boiling point (°C)Aluminium6602470Copper10852562Gold10642970Iron15382862Lead3271749Mercury-39357			
Week 6	 S.K.L.O: To investigate whether the size of a container affects the amount of gas inside W.S.L.O: To use labelled diagrams **for this experiment, you will need unopened fizzy drinks in different size bottles (500ml, 1.5L and 2L). You ope the bottle, and put a balloon on the to as quick as you can. Observe what happens to the balloon over the cours of the lesson. Use labelled diagrams and observational notes to make observations. ** https://lifestyle.howstuffworks.com 	 <i>R</i> <i>Key knowledge</i> •Locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and 	 **evaluation lesson** L.O: To reflect upon the key question **key question: What is the most significant art of the Nativity story for Christians today?** Qu to ask: What part of the Christmas story do you think might be the most important for a Christian and why? Key skills: 	 IF TIME DO LESSON 3 OF UNIT 4.6 - STOP MOTION LO: • To edit an animation Key Skills: • Pupils can use the Onion Skin tool to create an animated image. • Pupils can use backgrounds and sounds to make more complex and imaginative animations Key Knowledge: To know what onion skinning is in animation (to see

crafts/science-projects/science- projects-for-kids-states-of- matter4.htmenvironmental regions, key physical and major citiesEvaluation- evaluating their own ideas linked to the key questionmultiple frames i order to edit)Key skills: recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and raise further questionsDescribe and understand key aspects of.Evaluation- evaluating their own ideas linked to the key questionEvaluation- evaluating their own ideas linked to the key questionUsing results to draw simple conclusions, mater questions, make predictions for new values, suggest improvements and raise further questions or to support their findings.Pollution is classed as anything that is introduced into a habitat which has a harmful effect on plants and animals living there.Recap and use all knowledge learnt to answer the key question in their own response.To know that water pollution is : Discharge of domestic and industrial effluent wastes, leakage from water tanks, marine dumping, radioactive waste and atmospheric deposition are major causes of water pollution. Heavy metals that disposed off and industrial waste can accumulate in lakes and river, proving harmful to humans andKey Knowledge:	
matter4.htmKey skills: recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusionsDescribe and understand key aspects of: -Physical geography, including rivers and the water cycle andExpression- express their views and opinions towards the key questionPolysical geography, including rivers and the water cycle and conclusionsPollution is classed as anything that is introduced into a habitat which has a harmful effect on plants and animals living there.Key knowledge: Recap and use all knowledge learnt to answer the key question in their own response.Using straightforward scientific evidence to answer questions or to support their findings.To know that water pollution is : Discharge of domestic and industrial waste and atmospheric deposition are major causes of water pollution. Heavy metals that disposed off and industrial waste can accumulate in lakes andFor the fullent wastes, leakage from water tanks, marine dumping, radioactive waste and atmospheric deposition are major causes of water pollution. Heavy metals that disposed off and industrial waste can accumulate in lakes andFor the fullent water accumulate in lakes and	at once in
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metals that disposed off and industrial waste can accumulate in lakes and	
animals	
Gases can dissolve in a liquid, as this	
example of soda pop in a balloon Unsafe water kills more people each shows. But they won't stay there if you year than war and all other forms of	
release the pressure that holds them. violence combined.	
Soda pop is carbonated. This means Meanwhile, our drinkable water	
that carbon dioxide gas has been dissolved in the liquid under highsources are finite: Less than 1 percent of the earth's freshwater is actually	
pressure. accessible to us.	
Opening the bottle releases the	
pressure, and the carbon dioxide gas	
begins to escape from the liquid. The	
balloon trapped the carbon dioxide gas	
as it left the bottle, and then the gas	
inflated the balloon.	