



Examples of Work Melissa Animals, including humans - Year 6









Focus of assessment (National Curriculum statements)

• Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.

Description of activity

The class were asked to draw a picture of what they thought the inside of their body looked like. They then went outside to take some exercise and were asked to describe what they felt and what the outward effects of exercise were.

	EVIDENCE OF LEARNING	Assessment
Oral evidence	Examples of work	Knowledge
Teacher observations	Extrauster Extrauster Hot	Melissa is showing awareness of the organs associated with the circulatory system – heart and lungs. Working scientifically

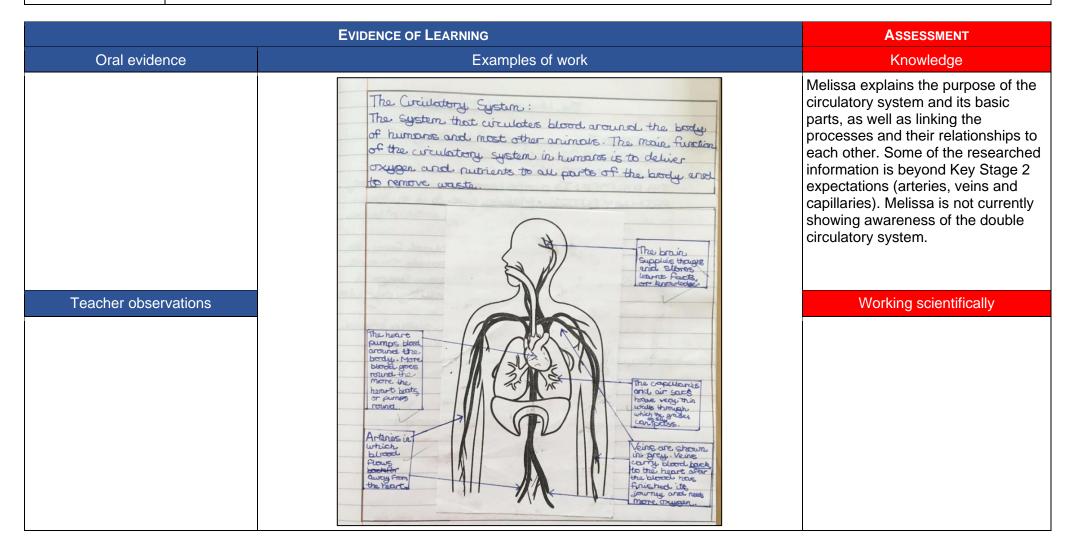


Focus of assessment (National Curriculum statements)

Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.

Description of activity

The pupils were given the opportunity to research the different parts of the circulatory system to create a more fully labelled diagram.





Focus of assessment (National Curriculum statements)

- Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.
- Describe the ways in which nutrients and water are transported within animals, including humans.

Description of activity

To link with literacy work, the pupils were asked to write a job description for the heart. They were asked to think about the formality of the language that they used as well as the technical vocabulary.

	EVIDENCE OF LEARNING	ASSESSMENT
Oral evidence	Examples of work	Knowledge
Teacher observations	The Heart Job Description LOCATION: The upper part of the body: DEPARTMENT: Circulation. RELATIONSHIP: Veins, arteries and lungs. JOB PURPOSE: It pumps blood around the body. PRIMARY DUTIES: Making, sure it is on time. Knowing, that arteries' blood. Flows away. Knowing, that blood from the veins' blood travels toward. OTHER DUTIES: Knowing that the lungs is working as well travels with the heart. Making, Oxygen pump around. Brilliant use of year knowledge Melisa.	Melissa knows the location of the heart in the body, its role in the circulatory system and how it links to other parts of the circulatory system. She is not yet secure on the blood transporting nutrients and water around the body. Working scientifically



Focus of assessment (National Curriculum statements)

Describe the ways in which nutrients and water are transported within animals, including humans.

Description of activity

After a workshop 'Glorious Blood', run by the Science Museum, the class took on the role of a part of the circulatory system (as well as other various parts of the body) and acted out how the heart, blood and vessels help to keep us alive. To link with literacy work, the pupils were then asked to write a description of how the circulatory system works in humans.

	EVIDENCE OF LEARNING	ASSESSMENT
Oral evidence	Examples of work	Knowledge
Teacher observations Melissa revisited parts of her writing after further discussion with her group and final role play – recalling why the blood is pumped to the lungs.	Senathor blood to the human circulatory system Human circulatory system Lungo through the arteries. The heart senath the lungo through the lungos through the lungos or the blood back to the different senath the heart the heart the blood to the different senath the stomach, business and legs through the arteries, quiring the stomach, business and legs through the arteries, quiring each part 0° and collecting its 0°. The containing each part 0° and collecting its 0°. The heart through the verie. Finally, the heart sends the blood to the lungs where it can through the blood to the lungs where the blood to the lungs where the lungs where the blood to the blood to the lungs where the blood to	Working scientifically



Focus of assessment (National Curriculum statements)

- Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.
- Describe the ways in which nutrients and water are transported within animals, including humans.

Description of activity

After a workshop 'Glorious Blood', run by the Science Museum, the class took on the role of a part of the circulatory system (as well as other various parts of the body) and acted out how the heart, blood and vessels help to keep us alive. To link with literacy work, the pupils were then asked to write a description of how the circulatory system works in humans. (Continued from the previous page.)

	EVIDENCE OF LEARNING	ASSESSMENT
Oral evidence	Examples of work	Knowledge
Teacher observations Melissa recognises that the blood also collects nutrients from the digestive system. She does not include the transport of water in the blood, but did demonstrate this during the role play.	Very good Helissa- are those the only parts of the body that recove exagenated blood? No - the arms, handsyon other extremities, receive exygenated blood. What else can the blood carry for us? The blood also corries iron. White does it get these from? It gots its from Good (nutrients) this goes through veto the Small	Melissa now shows a secure understanding of the function of the circulatory system. Working scientifically



Focus of assessment (National Curriculum statements)

• Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.

Description of activity

In groups, the pupils were asked to decide which of the hearts shown was approximately the right size and shape. They were then asked to explain their reasoning.

	EVIDENCE OF LEARNING	ASSESSMENT
Oral evidence	Examples of work	Knowledge
	De C D D C D D C D D D D D D D D D D D D	Melissa demonstrates further understanding of how you can recognise the position of the heart in the body and the accurate size of the organ. She has demonstrated an effective use of vocabulary.
Teacher observations	What is the correct baction of the heart? The correct bocation of the heart is inside the ribrage.	Working scientifically
	The ribrage forms a hard wall of browns to protect the heart and lungs.	
	I think that be is approximately the right size and shape I think this because the herart boat is big enough to feel when blood pumps around the body. E will	
	never be the right shape because the shape of the heart always looks different to the heart shape: V. This is what E looks like (even though that is not the shape of a heart. Also, B is to small and A is to big, so C must be the right size.	



Focus of assessment (National Curriculum statements)

• Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.

Description of activity

The pupils were asked to place their fists where they thought their hearts were located in their bodies. They were also given stethoscopes to listen to their heartbeat.

EVIDENCE OF LEARNING		ASSESSMENT
Oral evidence	Examples of work	Knowledge
	from the middle slightly to the left. When a noise is	Melissa shows an awareness of the link between exercise and an increase in pulse rate.
Teacher observations	heard, it means that the heart is found. • When you excersize more, your pulse rate beats faster,	Working scientifically
	So you will be able to find your pulse rate easier. This is because the more blood that pumps round the body makers a louder noise.	



Focus of assessment (National Curriculum statements)

• Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.

Description of activity

The pupils were asked to write a definition for a pulse. The class then discussed how we can feel our heartbeat in various parts of our body and what this means.

	EVIDENCE OF LEARNING	ASSESSMENT
Oral evidence	Examples of work	Knowledge
"As the blood is transported through the veins and arteries, the sound we hear is the pulse. "The faster the sound of the pulse, the higher the pulse rate."	A Pulse is the beating sound that transports around through veins and arteries. It is most likely to be found in the most vulnerable places around the body. The faster the sound of your pulse/heart beat, the more blood is pumping around your body. This means that the circulatory system is working well. If you were to constrict the veins and arteries for too body, no blood would be able to prove through and your circulation would not be good. This means that	Knowledge
Teacher observations Aspects of the first paragraph are not clear in the writing but the verbal response shows a clear understanding.	your pulse rate will go slaver. In other words, your heart will not be working as well. This is because veins and arteries are attached to your heart, and if blood can't get to your heart, a heart attack could be possible. If you dutched for an extremely longiture, you could eadly, die. Brilliant use of woodbuiland. Brilliant use of woodbuiland. No blood would be able to pass through, so you might not be able to home (maybe) part of your finger.	Working scientifically



Focus of assessment (National Curriculum statements)

Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.

Description of activity

The pupils recorded how many times they felt their hearts beat in 30 seconds, and then used this to work out the beats per minute. They then collated the results from the whole class.

	EVIDENCE OF LEARNING	ASSESSMENT
Oral evidence	Examples of work	Knowledge
Teacher observations	10 To succession of a section of a secti	Working scientifically Melissa accurately gathers and records data in a style of her own choosing.

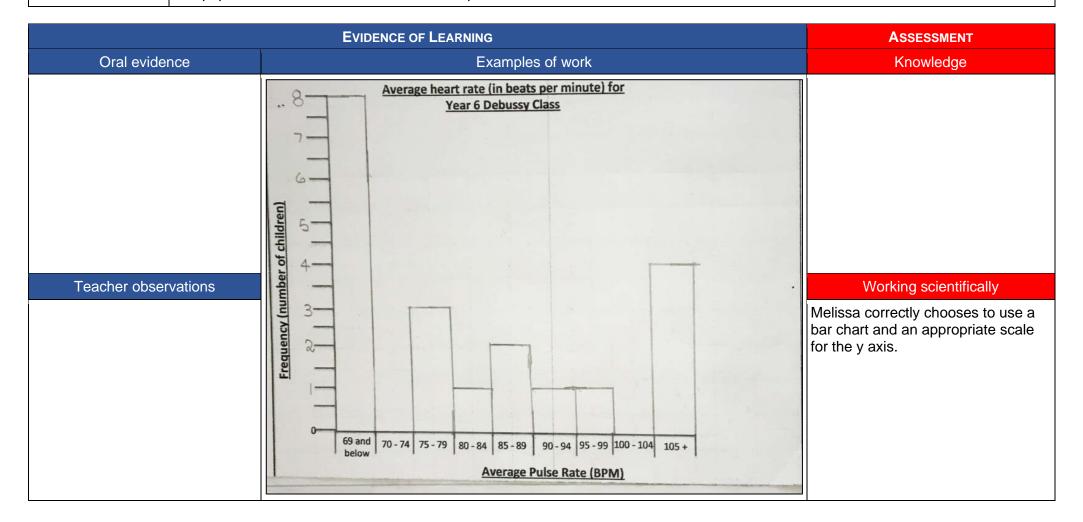


Focus of assessment (National Curriculum statements)

Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.

Description of activity

The pupils were then asked to decide how to present the data for the whole class.



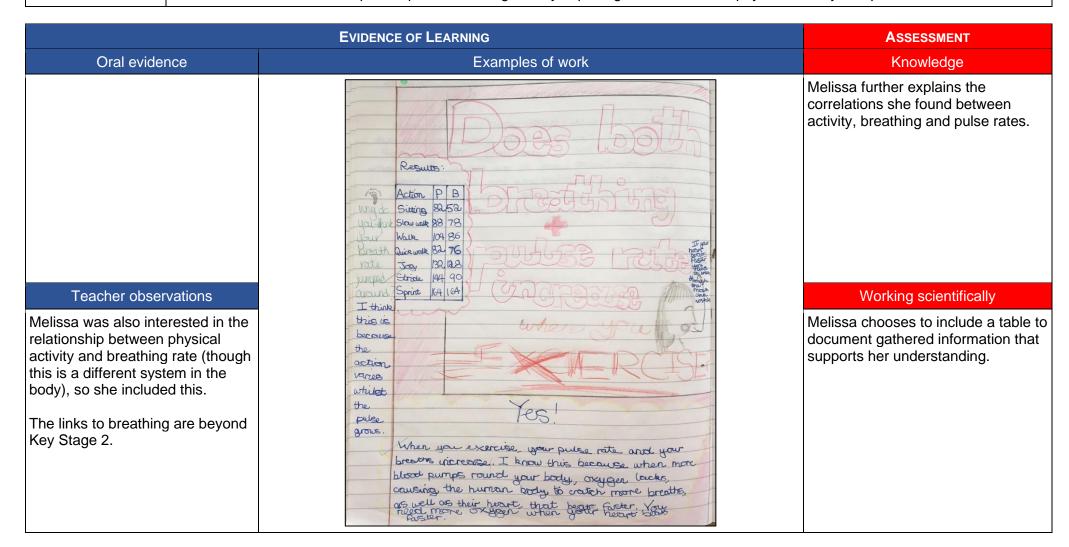


Focus of assessment (National Curriculum statements)

Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.

Description of activity

The class were asked to complete a pattern-seeking activity exploring the link between physical activity and pulse rate.





Focus of assessment (National Curriculum statements)

Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.

Description of activity

	EVIDENCE OF LEARNING	ASSESSMENT
Oral evidence	Examples of work	Knowledge
Teacher observations	Living a Healthy Libertyle is vital; it considered that the elege, marted health, classifications, a bosteneed duit, the right amount of everyse and the vitales of drags you may not take on a regular bossis. Libertyle. With the right amount of sleep, dean-stries and emotional health in your life, your libertyle would be much healthier. Not having the right amount of sleep is unhealthy; one in three paper suffer from a poor amount of sleep. The nainty of us need around eight hours of sleep in order to not receive sensive symptoms, including heart discover and disbates, due to (rack of sleep. Ways in which the right amount of sleep bossite your health; It prevents with and flue; Sleep prevents disbates and heart discover; It helps you to loss weight and. The right amount of sleep bossite your emotional health. Coord emotional health is just as vital as sleep to follow a healthy litestyle; it heaps poople ware of their emotions, behaviour and considerations. Not only, does it help people to healthily upper with streetful problems, but it also helps them to feel hoppy about themselves and provent unhealthy relationships. But accurracy were beginned of your healthy relationships. But extrapely your problems health from healthy relationships. But extrapely your problems health from healthy relationships. But extrapely your problems health or you helps you to feel better about yourself and to be one of yourself in a better about yourself and	Working scientifically



Focus of assessment (National Curriculum statements)

Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.

Description of activity

	EVIDENCE OF LEARNING	ASSESSMENT
Oral evidence	Examples of work	Knowledge
Teacher observations	There are many reasons why people should clear more often; not only does it affect your mental health, but also your physical health. We don't always worry too much about chaning our houses as we don't see the miniscule bacteriol stoms and garms that build up near dwellings. Ways that you can prevent uncloanshiness and clutter in your house: Dusting, vacuuming and shaking out the corpets improves the atmosphere you breath; Co through your clutter, label two books with give away or sell; this way you are giving things that you don't nearly want to people who might need things and are not as lucky as you are; Clean kitcher surfaces after preparing meals and Wash your hands after you sneeze and before you cot a ment. This way, you are keeping your house, yourself and your mind doan.	Working scientifically
	There are many different drugs with many different purposes in the world. Nicotine is a drug found in aggreetles and aggres; it is a very addictive drug, which causes a lot of damage to your large. Nicotine contains ter: when smokers smoke, their large have been put at risk; the lan is sticky, and when it has gone also your body, your large to sticky, and when it has gone also your body, your large to storts to deteriorate. Snowking, is not just brook for the smoker - it also damages other people's large. When anothers smoke near other people, and they intole the smoker's smoke, this is colled possive	



Focus of assessment (National Curriculum statements)

Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.

Description of activity

	EVIDENCE OF LEARNING	ASSESSMENT
Oral evidence	Examples of work	Knowledge
Teacher observations	Once you have both alcohol, it society travels through your body and offerts many parts in the arculatory system. Here is a list of what alcohol can do to your body: Stemach. If you have not exten and your stemach is empty, alcohol consecrety, into the blood stream, increasing the rick of a come, blood precess and will rapidly travel down to the blood trease and will rapidly travel down to the bloodstrown; Brain when alcohol rooks to brain, it suddanly affects the brain, not making it able to control the bloodstrown. Circulatory system and alcohol is inside the bloodstrown, blood (containing alcohol) travels around the body, affecting the circulatory system on the way. This course an increase of blood pressue, making it hard for the person to breath and Liver - alcohol damages the liver is it is consured regularly. Small intoless of alcohol reduces high blood pressue, making people with high blood pressue, healthier, but a lost of alcohol con put your body at rick. Diet And The Effect on the Body. Cating a healthy diet powers your strength, aguility and coordination with others, levels. Corosuming a calonacid meal halps you to go through work with ease and rapped you to collect the right amount of withing to your body.	Working scientifically



Focus of assessment (National Curriculum statements)

• Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.

Description of activity

EVIDENCE OF LEARNING		ASSESSMENT
Oral evidence	Examples of work	Knowledge
Teacher observations	tood does not just supply fire for the body: it also supplies fire for the brain and is directly linkood to your montal health. Eating a variety of multi-coloured fruits, green vegetables and first high in omage. I higher your memory levels and learning levels in your brain. However, if you don't est a healthy duit, it increase that rank of rathing disposes that can effect the rest of your like. Also, deficienties of vitamine like. A, C and D can accur if we only est unhealthy facts. Not enting a duit that will benefit your like will cause attest and pain. By eating a healthy dust, your chance of gotting stress and pain is writted. Exercise And Its Effect On The Rady. Daig, the right amount of exercise benefit you; not only dood the help you build strong muscles and bore out it also stimulates the growth of the whole on the reduce in socials. This course high blood pressue to reduce in socials. This course high blood pressue to reduce in socials. This course high blood pressue to reduce in socials who exercise benefits your: Muscles - when you are exercising your muscles, more blood is pumped to deliver more OL; small time start to farm, helping your muscles to grass bigger and stronger once the war have succeed, your bady would nearly feed 15 times more OL (Oxygen), coursing your to	Working scientifically



Focus of assessment (National Curriculum statements)

• Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.

Description of activity

EVIDENCE OF LEARNING		ASSESSMENT
Oral evidence	Examples of work	Knowledge
	breathe heavier and factor; ·Heart - your hourt rate increases when you exercise archard more 02 at a quicker speed and ·Brain - exercising really benefits your brain - your brain cells will work at a higher level, making you feel more awake and focused after exercising	This extended piece of writing shows that Melissa has a good understanding of the impact of diet, exercise, drugs and lifestyle on the way the body functions.
Teacher observations	Conclusion	Working scientifically
	With the right balance of exercise, dist, intoke of drugs for the right purposes, sleep, mental health and cleanshies in your life, you will be living a horalthy lifestyle. Once again, "a heralthy outside starts from the viside" its comprehendable why it is used by many people; he who has health, has hope, and he who has hope has everything."	



Overall summary

Secure

Melissa's understanding of the circulatory system progresses throughout the topic. She correctly uses the names of the main parts of the circulatory system consistently and describes the function of each part. She understands that the blood carries useful substances to parts of the body where they are needed – oxygen and nutrients particularly. She is aware that the blood also transports water. She was able to demonstrate the double circulatory system during the role play activity and subsequently in her writing.

Her final report shows a secure understanding of the impact of diet, exercise, drugs and lifestyle on the way the body functions.