



Science

Science reveals God the creator and His creation.

Psalm 24:1 'The earth is the Lord's and the fullness thereof.'

This profound statement shows God's supreme ownership and knowledge of every aspect and function of our world. God created the world in the beginning and the force of His power and the energy of the Holy Spirit brought forth life and the world we know. God created order and structure, from the smallest atom in each element to the infinity of His universe. Even in our lives, He tells us 'not to despise the day of small beginnings' and not to limit Him, for 'with God all things are possible'.

Science is the study of the wonders of creation in order to enhance our worship of the creator and our knowledge of His creation.

- 'For since the creation of the world God's invisible qualities – His eternal power and divine nature – have been clearly seen, being understood from what has been made.' **Romans 1:20**
- 'Great are the works of the Lord; they are pondered by all who delight in them.' **Psalm 111:2**
- 'The Son is the radiance of God's glory and the exact representation of His being, sustaining all things by His powerful word.' **Hebrews 1:3**

God never changes and all the wisdom and knowledge we have today in the laws of chemistry, physics and biology are still held together by the Word of God.

Science is the study of creation to equip us to steward and rule, as God has commanded.

- 'God said to them.... fill the earth and subdue it. Rule over the fish of the sea and the birds of the air and over every living creature that moves on the ground.' **Genesis 1:28**

Aims

- Through observation and demonstration to unfold the mysteries of creation, its laws and the principles of its properties.
- To learn that it is because of God's steadfast nature, that man can hypothesize and experiment.
- To learn humility in approaching the vastness of the scientific unknown compared to the amount so far revealed to man.
- To have our eyes (and our spirits) opened to the vastness and wonder of God's creation.
- To have our understanding of creation developed, to enable us to steward the rule of it more effectively.

Sample Science Curriculum

Truth to Teach

'The heavens declare the glory of God; the skies proclaim the work of His hands.' **Psalm 19:1**

Way to Work

1. Through observation and demonstration to unfold the mysteries of creation's order, its laws and its characteristics.
2. To learn that everything has a place and a purpose within God's creation.
3. To learn humility in approaching the vastness of the scientific knowledge unknown compared to the amount so far revealed to man.

Learning for Life

1. To have had our eyes opened to the vastness, wonder and systematic order of God's creation.
2. To understand more of God, through the study of His creation.
3. To be willing, if so gifted, to serve God and mankind through the use of existing scientific knowledge.
4. To be willing, if so gifted, to be used by God to reveal and proclaim more of the unknown creation; wherever possible for the well-being and service of mankind.
5. To recognize that science has only a limited place in knowledge and should never become the ultimate authority in our lives and that life is God's to give and take away.
6. To be equipped to take up our role as caretakers of our planet.

Objectives

1. To enhance worship of the Creator through understanding of creation.
2. To encourage a right attitude to creation.
3. To enable pupils to rule and reign more effectively in their own lives.
4. To prepare pupils for life in today's technologically oriented society and to provide a basis for further study of science where appropriate.
5. To stimulate curiosity, interest and enjoyment of science and nature.
6. To enable pupils to realize the usefulness and limitations of scientific knowledge and methods.
7. To encourage and develop the ability to solve problems.
8. To encourage and develop team qualities, including leadership qualities where appropriate.
9. To develop skills and abilities relevant to the study of science.
10. To train pupils to make and record observations accurately and in the necessary detail.
11. To train in safe practice.
12. To encourage pupils to question the effects and methods of science.
13. To develop the ability to explain observations.
14. To develop the ability to analyse given data and to propose and test hypotheses derived from this data.

Ecology

Creation

God created a world which is finely balanced, where living things are dependent on each other and need each other to maintain the balance of life.

Fall

Through greed, ignorance and a lust for power people have altered the balance and put the world and things in it in jeopardy.

Redemption

How can we be good stewards of God's creation? How can we rectify the problems we face or at least limit their effect?

Energy

Creation

God's creation was planned to provide for all our physical needs at the time of creation.

Energy cannot be created on earth, only transferred from one form to another, and ultimately becomes heat energy.

Fall

People, particularly in the western world, are using up energy resources very quickly as we look for a more comfortable life, with little regard for those in less well-off countries or for the long-term prospects for our world.

Redemption

We need to learn to use energy resources with care, without waste, thinking of the needs of others in the future as well as ours today.

Health

Creation

God created man in His own image. Our bodies are the temple of the Holy Spirit.

Fall

Disease came into the world through sin. God's plan to redeem His creation will ultimately rule out sickness, but in the meantime, all of us are, and will be, affected by disease in one form or another.

Redemption

In order to keep disease at bay, we need to understand how our bodies work and what can cause them to go wrong. We also need to be disciplined about how we use them and understand that how we behave can lead others to sin.

Elements, Mixtures and Compounds

Creation

The pattern of the building blocks of God's creation shows a definite order, both concerning the atomic structure and the behaviour of the elements. Finding out more about these patterns shows us more about God's nature.

Fall

Some aspects of atomic structure have been abused, particularly in the use of atomic power (fission) for mass destruction. People now live under the threat of annihilation as a result of a few people in a few moments.

Redemption

Science and scientists need to be supervised with God's wisdom and understanding and care must be taken to consider long term consequences of our intended use of His building blocks.

Light/Sound

Creation

Light and sound are the primary means God gave us to communicate. Without light and sound we become isolated and helpless.

Fall

The media of music, television, radio, magazines etc. can and often do use light and sound to promote materialism, greed, pornography to name but a few things – Satan's territory.

Redemption

Light and sound can also be used to reflect God's glory and bring people to God. As Christians we are light in the darkness and should not be afraid to demonstrate an alternative.

Matter

Creation

God's plan for creation allows for different processes essential to life because the transportation of different substances to enable chemical reactions require that these substances have different forms e.g. if air was solid how would it move or breathe? If water was solid how would it reach the roots and be absorbed into the plants? If wood was liquid how would we make a wooden stool? How could the water-cycle work if water could not take different forms? Three states of matter allow for all the processes to take place.

Fall

People have used the theory of different states particularly that of gases, to create weapons that can affect people and animals. These weapons do not give people a chance to defend themselves but nor do they adversely affect the environment.

Redemption

We need to encourage a wholesome use of the materials God has given us to do what we can to make people safer and better able to use their environment.

Quotes on Sir Isaac Newton – great British Scientist

'Sir Isaac Newton was finally persuaded of the existence of a God, by which he understood not only an infinite, omnipotent and creating being, but moreover a master who has made a relation between Himself and His creatures.' Voltaire

Newton believed: 'It was a religious duty of the scientist, who was capable of unraveling the wonders of God's creation, to reveal them to mankind. If the scientist failed to acquit himself of this task, he was denying God one form of adoration.'

Science for him was a way of knowing his Father God was a Lord, a master to be obeyed, not simply a metaphysical entity or a principle arrived at by ransoming.

Extracts from 'A Portrait of Isaac Newton' by Frank E. Manuel

Resources

Refer to 'Towards a Christian Curriculum' by Barbara Lord

"Faith in Science" by Dr. Arthur Jones

'Guidelines to teaching Science from a Christian perspective' by Polly Bolton