

Climate change: How do we know the Earth's warming?

We can't just stick a thermometer under the Earth's armpit, but scientists do just take it's temperature, via thousands weather stations spread all over the planet. They check the temperature on land, but also test sea temperature using ships, and satellites and weather balloons measure temperature higher up too.

We have detailed temperature records from the middle of the 19th century. To get earlier data, researchers look for markers in nature to get a sense of how temperature's changed over time.

Chemical analysis of ice cores are useful here too, just as they are for carbon concentration, as well as the width of tree rings, and using boreholes to measure a thermal 'imprint' of temperatures of the past buried deep below ground. We can also look for clues in new phenomena like sea level rise, rising humidity and plants flowering earlier in the year.

How long have we known about climate change?

We've had the bones of a theory for anthropogenic global warming since 1930 or so. The idea of the greenhouse effect dates back to the 1820s and French physicist Joseph Fourier. In 1861 Irish physicist John Tyndall identified the gases that could cause such an effect, including carbon dioxide.

Then in the 1890s Swedish chemist Svante Arrhenius calculated that cutting carbon dioxide in the atmosphere could lower the temperature in Europe. He'd just been thinking about natural phenomena like trees and oceans absorbing carbon dioxide, but a colleague, Arvid Högbom, suggested he consider factories too. As scientists of the time remarked, we were 'evaporating' coal mines into the air.

In the 1930s, Guy Callendar — an engineer by profession, but a keen meteorologist in his spare time — used weather stations' records to show that temperatures had risen over the previous century. He also noted the increase in carbon dioxide concentrations over the same period, and suggested a link.

We've supplemented this with a lot more detail and evidence since, but the basic tenets are pretty old.

PARISH GROUPS INFORMATION: It seems a good time to think about the various groups that gather in the parish, some of which would benefit from a new influx of members, such as the Justice & Peace group, Live Simply / CAFOD group, the SVP. We would also like to encourage more people to be readers and we could do with more voices in the choir when we can start singing again. It would also be great if we could have more servers from those who make their First Holy Communion.

There are also opportunities to join in prayer with the House Groups, Oratory and the Wednesday Prayer Group which hopefully will be able to start up in the near future.

And so if you are interested in either helping in one of the groups or would like to expand your experience of prayer these are some of the options open.

Fr Hugh



HOLY TRINITY & ST GEORGE CATHOLIC CHURCH

Serving Kendal and Sedbergh

THE MOST HOLY TRINITY – 30TH MAY 2021

TODAY'S READINGS:

In Baptism we begin to life our lives under the one banner...

Today we celebrate the mystery of God, God the Father, Son and Holy Spirit, the eternal unity of God; Three-in-One. We celebrate too the great gift we received at our baptism when we were invited to share in the intimate life of our God, when we were introduced into the community that is the Blessed Trinity. God's life flowed into us at our baptism and this life is not ours to hoard. God welcomes us into His intimate life in order that we share what we have received with others: *Baptise them in the name of the Father, Son and Holy Spirit.* Jesus commands us to provide the Life of the Trinity to all who will accept His Good News. Let's put ourselves on the hill in today's Gospel. We are there, basking in the love and joy of our Risen Saviour, it's as though He is saying to us: "Look at the Life I have given you, it is my life, the Divine Life of the Trinity. Give this Life to others. Proclaim my Gospel with your lives. And know that I will be with you always, yes, through every situation, every choice, every rejection, every success."

...the banner of the Holy Trinity: Father, Son and Holy Spirit!



FIRST HOLY COMMUNIONS 2021

I am pleased to say that the First Holy Communions are going ahead this year. **The sessions will be in the parish centre starting on Wednesday 9th June at 6pm.** The First Holy Communion Mass will be on Saturday 10th July and we have 19 children taking part. Please keep them all in your prayers.

BAPTISMS: We are now able to carry out baptisms where a maximum of 30 people can attend. At the moment, social distancing and masks still apply in the church. Please contact the parish office or speak to Fr Hugh if you wanting to organise a baptism. Thank you.

MASS WEEK COMMENCING SUNDAY 30th MAY 2021
Office Proper, Sundays Yr B.

Sun 29 th 30 th	THE MOST HOLY TRINITY 6.00 pm Vigil: William Clough RIP 10.00 am: People of the parish streamed from Church 12.00 noon: (at Sedbergh) 6.00 pm: Deceased family & friends (C.F)
Mon 31 st	Visitation of the Blessed Virgin Mary NO MASS but church is open as usual
Tues 1 st June	St Justin 12.00 noon:
Wed 2 nd	Wednesday of week 9 12.00 noon:
Thurs 3 rd	St Charles Lwanga & Companions 12.00 noon:
Fri 4 th	Friday of week 9 12.00 noon:
Sat 5 th	St Boniface
Sun 5 th 6 th	CORPUS CHRISTI 6.00 pm Vigil: Joan Baines RIP 10.00 am: streamed from Church 12.00 noon: People of the parish (at Sedbergh) 6.00 pm:

Church is still open for private prayer:

10am - 12 noon Monday to Saturday and 2 – 4pm Sundays.

PLEASE REMEMBER IN YOUR PRAYERS:

SICK: Holly Howe, Will Flitcroft, Philip Barry, Pat Newton, Trish Hoad, Margaret West, Varien Vyner-Brooks, Archie Scott, Jamie Banks Wallhead, Mary Brady, Bob Dickie, Ian Muir, Sylvia Duckworth, Winnie Edgar, Adrian Jennings, Christine Stoker, Barbara Banks, Netta Baxter. Eileen Halstead, Thomas Smith, Jane Johnson, Malcolm Nightingale, Patrick Dolan, Mike Nicholson, Heidi Walmsley.

ANNIVERSARIES: Caroline Sale, Oonagh McDaid, Margaret Remington, James Oldcorn, Michael Cranston, Robert Bland, Vincent Doyle, Gerald Williams, Edith Smith, Francis Flood, Thomas Wilson, Margaret Cole, Queenie Dixon, John O'Connor, William Shaw, Fr Francis Whiteside, James Haddrick, Maria Askins.

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ACCOMMODATION WANTED: We have a Polish family looking for accommodation to rent. If anyone can help or knows of anyone that can help please let me know. Thank you. *Fr Hugh*



SITUATION IN THE HOLY LAND: What follows is a letter from the Latin Patriarchate in Jerusalem to the Palestinian Christians who do not live in Gaza as I thought it might be an insight in their attempting to help their brothers and sisters who live in Gaza. Please keep them in your prayers as so many Christians rely on the tourist trade and that has virtually disappeared at the moment:

Jerusalem May 25, 2021

To the Parish Priests and all the faithful of the parishes of the Latin Patriarchate
The Lord give you Peace!

In the aftermath of the tension and conflict we have recently experienced, let us turn our hearts and gaze to the needs of our brothers and sisters in Christ especially in Gaza and in places severely affected by the recent exchange of rocket firing for eleven days.

Their sufferings have worsened with the deadly clashes and bombings as they continue to struggle with Covid-19 that continues to spread in their area. I ask you to share some of your resources to alleviate the sufferings of our Christian faithful in Gaza.

As a sign of solidarity of all the Diocese of the Latin Patriarchate, I request that in all the parishes and churches of the diocese, that the collection on Sunday, May 30, the Solemnity of the Most Holy Trinity will be totally for our community in Gaza and the needs emerged after the war of these last days.

Thank you for your generosity and our Lord did promise a hundred-fold return to those who make certain sacrifices for others. May the Lord bless you!

+ Pierbattista Pizzaballa
Latin Patriarch of Jerusalem

FRONT OF CHURCH BUILDING WORKS UPDATE: It has been quite some time since we first put the scaffolding up at the front of church, as one or two of you have reminded me off and on! There has been a real problem finding out what is causing the cracking to the stonework and, sadly, because there is no clear answer our insurance will not cover this. However we have a very able project manager now who hopes to be able to get work underway during the summer. We first have to have a meeting with the Historic Churches Trust and make an application to the diocese to allow us to spend the money. At the same time we have had an expert checking the stained glass windows and we are waiting for his report as to how we can look after these. (It would also be nice to plan to redecorate the interior of the church but that will be some time off due to other costs.)