



You said, we did & our climate change challenge Cllr Steve Darling, Leader of Torbay Council

- Updates from our previous community conferences
- Why we are here today
- How we are moving forward with regards to our Climate Emergency











What is Climate Change - BBC VIDEO











Carbon Neutral Torbay

Councillor Jermaine Atiya-Alla



Carbon Neutral Torbay

Background

- Energy and Climate Change Strategy 2014 2019
- Declared a Climate Emergency in 2019
 - Torbay to become Carbon Neutral 2030
- Adopted tackling climate change as a priority within the Community and Council Corporate Plan (2019)











Community and Corporate Plan

We will create a whole community response to protect our environment. One Torbay: Working for all of Torbay to tackle climate change.

We will:

Become a Carbon Neutral Council and work with others to create a carbon neutral community

Increase recycling rates

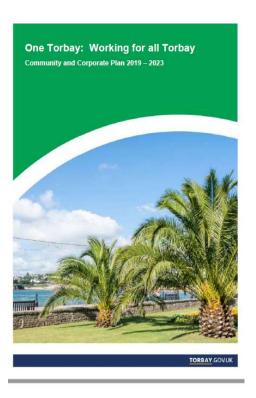
Reduce Torbay's carbon footprint

Encourage a sustainably developed built environment

Implement re-wooding and rewilding

Address flooding risks

Improve communications and transport connectivity and sustainability













But why?

- Warmer and wetter winters
- Hotter and drier summers
- More frequent and intense weather extremes
- Climate change will make these conditions more likely.
- The UK's weather will continue to be variable, but we will see more of this type of weather.



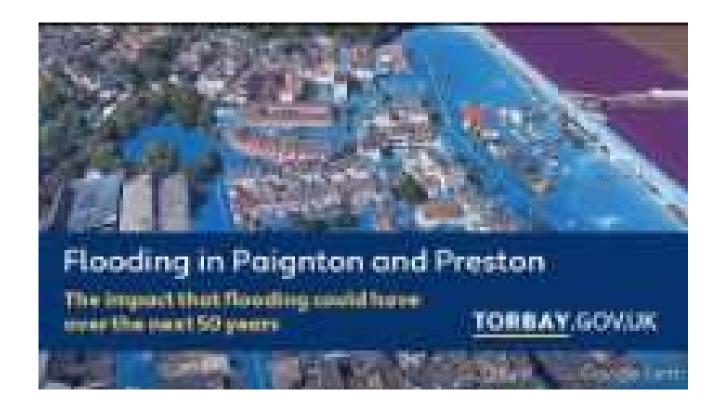








Impacts of climate change













Taking Immediate Action

Here are some actions we are taking:

<u>Carbon Neutral Torbay - Initial Action Plan - Torbay Council</u>

















Co-benefits













Carbon Neutral Council Programme



OFFICER GROUP



NEW ACTION PLAN BY APRIL 2022



NEW CARBON FOOTPRINT



NEW POLICY



CARBON LITERACY TRAINING



DECISION MAKING



VARIOUS BIDS / PIPELINE DEVELOPMENT











Carbon Neutral Torbay







DEVELOP A NEW ACTION PLAN IN 2022



COMMUNITY CONVERSATIONS















Torbay's greenhouse gas emissions – what can be done?

Tony Norton

Torbay climate conference

2nd November 2021







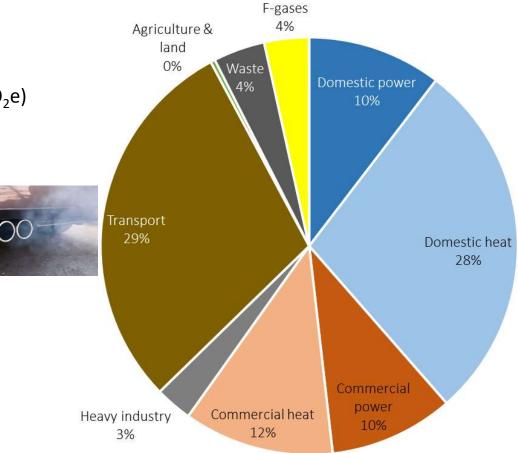
Torbay's 2019 greenhouse gas (GHG) emissions

462 kt carbon dioxide equivalent (CO_2e)

of which 94% is CO_2 from

burning fossil fuels

Total GHG in 2019

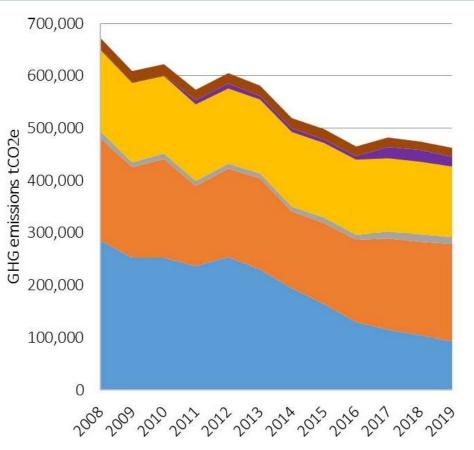




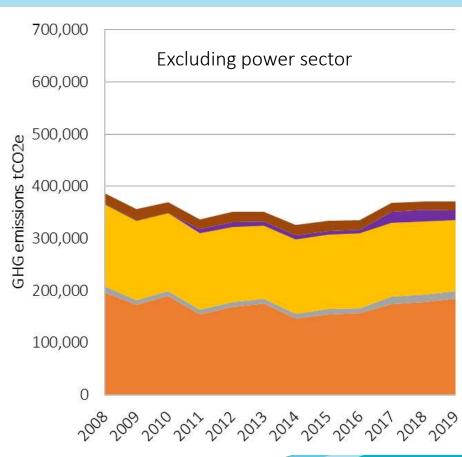




Historic GHG emissions in Torbay





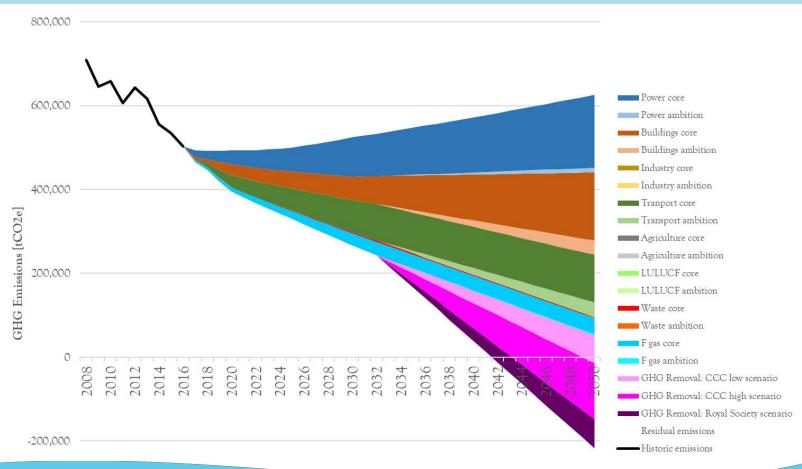








Net Zero 2050 GHG emissions in Torbay









What we can do - 1. be more efficient with heat

Improve our homes and businesses so the need less energy emit less carbon dioxide and cost less to run

For example:

Loft insulation
Draft proofing
Wall insulation
Floor insulation
Double glazing







What can we do -2. buy green alternatives

Choose low energy, low carbon, low running cost alternatives when it's time to replace things

For example:

LED lighting low energy appliances (A rated) heat pumps and electric hobs electric cars/vans







What can we do -3. change what we are doing

Change our choices for lower cost lower carbon alternatives

For example:

turn the thermostat down
walk or cycle rather then drive
holiday closer to home (fly less)
eat less red meat and dairy
waste less and reuse and repair more
recycle more







What can we do -4. do new things

Consider doing new things to contribute to net zero

For example:

install solar photovoltaic panels on the roof support widespread tree planting

support wetland restoration







Torbay in 2030 – what it looks like?

- All buildings fully insulated
- Heat pumps and electric hobs in all buildings
- All cars and vans battery electric
- Much more walking and cycling
- Much less waste







Torbay's greenhouse gas emissions – what can be done?

Tony Norton
Torbay climate conference
2nd November 2021
a.d.s.norton@exeter.ac.uk



Thank you Cllr Atiya-Alla & Tony Norton

Any questions?

Please use the QR codes or www.menti.com (code: 1937 4464) to send questions











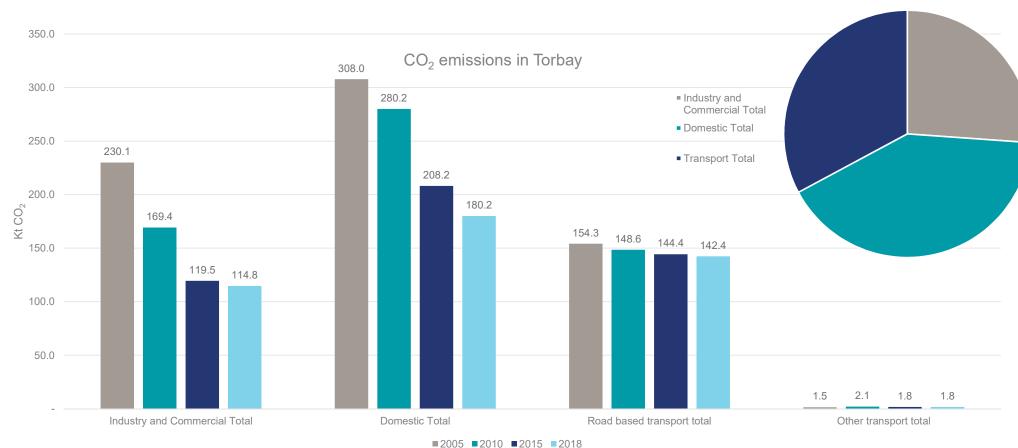
Moving on climate – Travel in Torbay

Mike Elm Liveable Towns Coordinator Torbay mike.elm@sustrans.org.uk



Climate change and CO₂ emissions





Transport and climate change – the challenge | May 2021

26

TORBAY COUNCIL

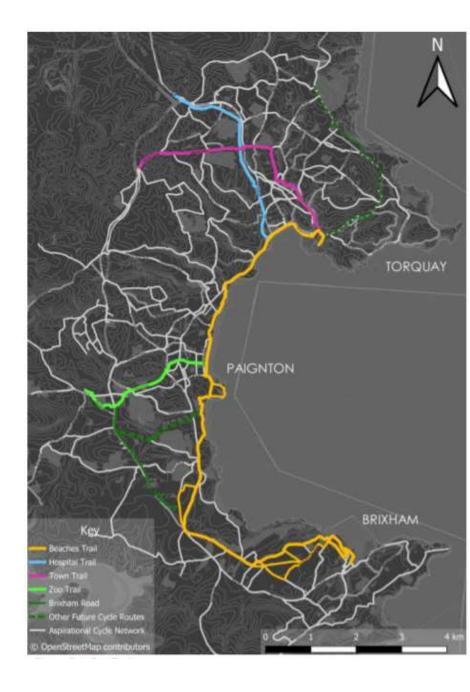
Bay Trails Torbay Local Cycling and Walking Infrastructure Plan (LCWIP)



Bay Trails

81% want to see an increase in Walking71% want to see an increase in cycling66% want fewer single occupancy car journeys

Find the full plan at: torbay.gov.uk/active-travel





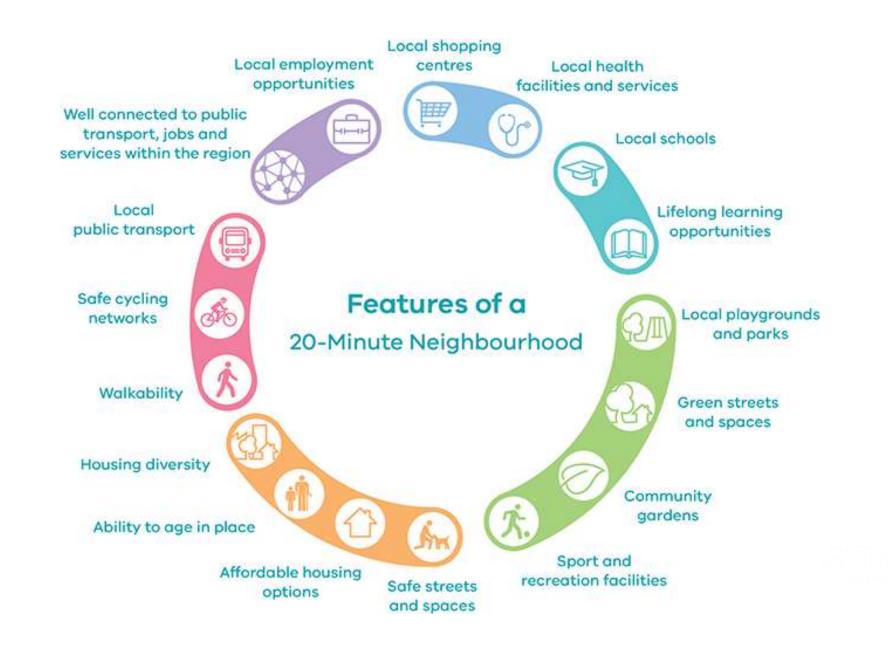


- 64% of people travel to work by car
- 15% on foot
- 12% mainly work from home
- 4% bus, minibus, coach
- 1.5% motorbike, scooter, moped
- 1.4% bicycle



58%
commuting
car
journeys
less than
5km





Key takeaways

- 1. We **need** to shift to active modes to get to net-zero
- 2. By shifting we create more liveable towns
- 3. The clock is ticking we have 8 years left...





Sustrans is the charity making it easier for people to walk and cycle.

We connect people and places, create liveable neighbourhoods, transform the school run and deliver a happier, healthier commute.

Join us on our journey.

www.sustrans.org.uk

Registered Charity No. 326550 (England and Wales) SC039263 (Scotland) VAT Registration No. 416740656.





Torbay Climate Conference: Reducing energy consumption at home 2nd November 2021

Tara Bowers
Director
Exeter Community Energy

Twitter: @ECOEtalk Facebook: ExeterCommunityEnergy LinkedIn: Exeter Community Energy



Carbon Reduction

Carbon Neutral by 2030

How?

Reduce consumption and Retrofit homes

ECOE FREE Energy Saving Tips

Turn lights off

Cook in bulk/slow cooker

Turn off gadgets and appliances at the socket

Dry clothes outside

Defrost freezer regularly



Take shorter showers (4 mins)

ECOE Low Cost Energy Saving Tips

Switch to LEDs bulbs



Fit draught proofing

Top up loft insulation to 250mm+



Retrofit in Devon

Reduce the carbon footprint of existing housing stock

- By effective energy assessment
- Identification of possible improvements
- Advice on pathways to installation

ECOE Why Retrofitting is a good idea

- Reduction in energy bills, improved EPC
- Improved habitability
- Reduction in carbon footprint





Fabric First

- Insulation (Roof, Walls, Floor)
- Improved air tightness/managed ventilation
- Improve heating

Add renewables – e.g. solar



Fuel Poverty

Income Maximisation:

Benefits checks

Discounts – e.g. warm home discount

Tariff checking

Reduce Costs:

Reduce consumption Energy saving advice Improve the home



Winter Warmth Campaign





Questions?

Tara Bowers
Director and Healthy Homes Project Manager
0800 772 3617
healthyhomes@ecoe.org.uk

Twitter: @ECOEtalk Facebook: ExeterCommunityEnergy LinkedIn: Exeter Community Energy

Torbay's Green Spaces: Helping Our Community Thrive



Groundwork South Trust

Davina Luther
Torbay Green Spaces Engagement Manager

Hannah Worthington
Torbay Green Spaces Development Officer



Why are our Green Spaces important?

Healthy Environment

- Absorb CO₂
- Reduce flood risk
- Absorb particulates
- Protect biodiversity
- Connectivity for species –
 wildlife corridors

Healthy Communities

- Space to exercise & for recreation
- Bring communities together
- Mental health benefits
- Faster recovery times
- Economic benefits
- Reduce social isolation

How can Green Spaces help us deal with climate change?

Mitigate

- Carbon sink
- Lower temperatures
- Absorb greenhouse gasses
- Reduce particulates linked to air pollution
- Local food production

Adapt

- Moderate temperatures
- Localised cooling effect
- Slow the through flow of water
- Provide outdoor spaces
- Support sustainable economy
- Refuge/corridors for biodiversity

What can we do to make sure our Green Spaces are able to do this?

Protect and Care

- Connections
- Green Spaces are valued
- Spaces are 'protected'
- Policies
- Management
- Support available

Future Proof

- Useable spaces
- Conservation measures
- Sustainable planting
- Tree planting
- Water management
- Sustainable working practices
- Large scale solutions

Where does our community go from here?

Steps we can take:

- Get involved
- Create & support schemes
- Provide education & training
- Support initiatives
- Engage young people
- Partnership working

Steps we are taking:

- Supporting Green Space Groups
- Tree Wardens
- Recycling Workshops
- Sustainable planting project
- Cool Climate, Green Influencers
- Devon Wildlife Trust, Tree Council, RSPB, etc.

Who can support our community with caring for Green Spaces?

How it can work...

- Get involved
- Create & support schemes
- Provide education & training
- Support initiatives
- Engage young people
- Partnership working





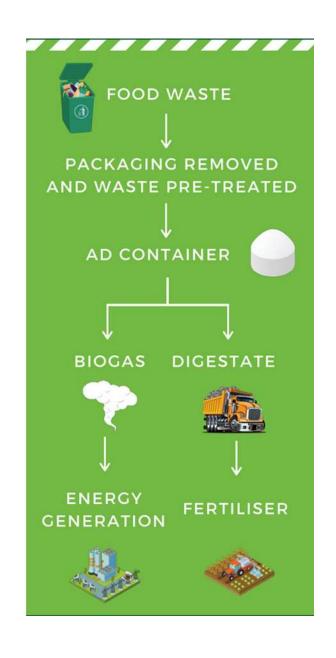
Torbay's Green Spaces: Helping Our Community Thrive





Working together to make Torbay a Sustainable Food Place

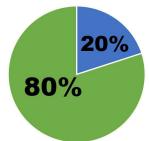
Want to know more about this work?
Go to www.devonfoodpartnership.org.uk and www.sustainablefoodplaces.org



Food waste and recycling in Torbay



Sending food to landfill costs more than recycling it



We can recycle more of our food waste than we do



We can waste less to begin with





Supporting a Sustainable Food Partnership in Torbay

Want to know more about what we do? Go to www.bxyes.org.uk





Reducing food miles by growing our own...



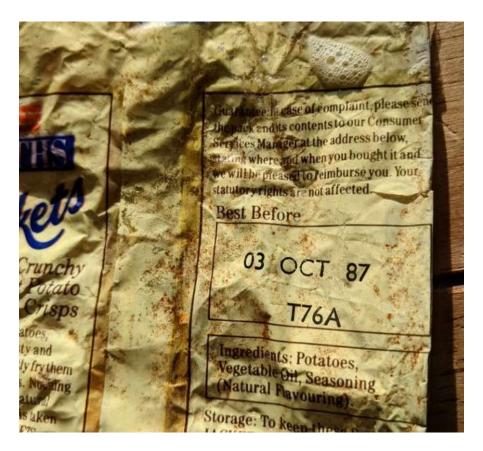


Cooking from scratch and reducing food waste...





Fighting litter from food packaging...





Raising awareness through creativity...

Thank you everyone for those presentations

Any questions?

Please use the QR codes or www.menti.com (code: 8408 1355) to send questions

Next: Developing our priorities for action











Sustainability at South Devon College



Matt Green, Head of Commercial Services/Sustainability Lead











South Devon College Sustainability Strategy

Putting sustainability at the heart of what we do and making a decade of change

2021

Planned

Planned

Plastic free in Greenhouse Café Relaunch of sustainability focus group

Latte levy introduced/established

Increase in plastic charges on all bottled drinks Remove plastics from meal deals

Registered and submitted sustainability leadership

Declared a climate emergency via EAUC

Launched "Your Ideas" with sustainability focus Relaunched our external sustainability webpages Launched & established newsletter (internal and external)

Introduced and raised awareness of Sustainable Development Goals

Vegan and vegetarian specific outlet established Enhanced our plant based food offer across all

Investment in Photovoltaics (Solar panels) at Paignton Campus

Investments in LED lighting upgrade

Converted a college vehicle to run on cooking oil

Environmental awareness training made available for all staff

Home working launched

Identified 100+ animal species across our Paignton campus

In Progress

Launch college sustainability strategy

Launch student sustainability group

Launch sustainable food policy

Green energy supplier for electricity

Climate change impact reported in Strategic Risk Management Plan

Increase the number of trees planted at our Paignton campus

Make a 10 year pledge to be achieve Net Zero Carbon Footprint from college estate

Adapt a flexible approach to staff working locations Promote & encourage regular student and staff pledges on SDConnect

Raise sustainability awareness via tutorials

Assign sustainability lead on CLT & SLT

Encourage staff volunteering days & activities linked to sustainability

Ongoing Capital Investment for LED lighting upgrade

Embedding our sustainability agenda into the college curriculum

Raising awareness of the SDG via colour coding on college signage

Using the SDG Accord completed in July 2020 to idenitfy areas of best practise and development.

Use the sustainability group to raise the profile of the SDG across college and collate evidence.

Include sustainability as a agenda standing item in all internal college meetings

Review and extend our Green Travel Plan

Carbon Reduction Assessment and plan in place

Create a culture of collaborative consumption Embed sustainability in cross college procurement process

Scholarly & Research activity to include sustainability

Reduce paper and printing consumption and migrate to electronic forms

Provide an external offer of sustainability focused professional courses

Remove all non RSOP Palm Oil products across the

Ensure college vehicle fleet is electric powered

Reduce electric consumption

Reduce gas consumption

Equip our staff with sustainable skills and resources Increase our bio-diversity through planting diverse plant species

Work towards ensuring all new future college builds are BREEAM excellent

Reduce water consumption

Reduce our carbon emissions

Reduce the amount of waste we produce

Implement more electronic car charging points

Continued investment in Photovoltaics across the

Achieve Net Zero Carbon Footprint from College Estate

Sustainable Development Goals attained





































What sits behind the strategy & how do we measure this?

Action taken	Owner	Date	Frequency of Review		
			term 1	term 2	term 3
Monthly digital newsletter was launched to raise awareness & enhance communication. This was first published on May 2019 & contains news of sustainability & regular updates on sustainability. It takes content from cross college sources & has direct input from the sustainability group. linked to the group.	I	01/09/2020	Achieved	Achieved	
	Dark Green	Achieved			
	Green	On track			
	Amber	Off track (within SDC control)			
	Yellow	Off track (outside SDC control)			

















[Sustainability]

Welcome to the Sustainability Hub

The Sustainability Hub has resources and information on all aspects of sustainability including climate change/impact, cross college activity and the sustainable development goals,

Email: mgreen@southdevon.ac.uk

Phone: 01803 540646

Location: 1.016

Opening Times: Mon-Fri, 08:00-18:00











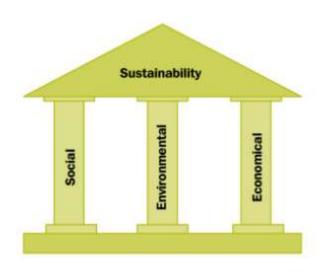


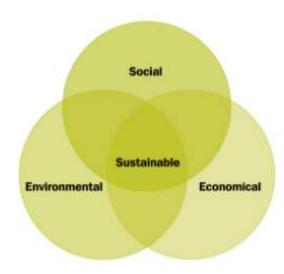
What is Sustainability?

Environmental

Social

Economic















Sustainable Development Goals/Global

Goals

















































SDG Accord













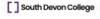




SDG Awareness





















Embedding



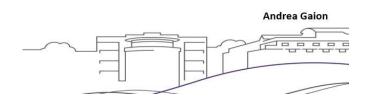




UCSD Sustainability

Embedding Sustainable Development Goals (SDGs) in students' research 2020-21















Raising Awareness



GREEN TIPS

QUALITY OVER QUANTITY

Instead of buying cheap, mass-produced clothes that will have to be thrown away at the end of the season, try to invest in as many high quality pieces as you can. You'll need fewer of them and they will last longer.

BOX UP YOUR EGGS

Don't throw away your empty cardboard egg boxes - they make a great green replacement for plastic seedling traysand because they're biodegradable, you don't have to remove them when you plant the seedlings out.

MILK AWAY INK

A great way to remove ink stains without polluting the environment by using ammoniabased cleaners is to soak the item in milk, then wash as normal!

Created and Research by: Printing Services

GET BEHIND DIRT

Look behind your fridge once in a while vacuuming or wiping the condenser coils on the back will help reduce dust build-up and make your fridge function more efficiently.

CLEAN YOUR FRIDGE

Make sure you wipe out the inside of your fridge every week or so, and stop debris accumulating in corners. A clean fridge can be up to 20% more efficient than a dirty one, meaning you use up less energy to keep it cool. Mix a little bicarbonate of soda in a small bowl, with water and leave it in the fridge to keep everything sweet smelling too.

GET HEAVY WITH YOUR PANS

Instead of teflon or plastic-coated pots and pans, invest in a set made of stainless steel or cast iron. They might be a little bit more expensive, but they'll certainly last longer. Cast iron is known for its durability and even heating. Unlike metals that can flake off other types of pans into your food, iron is considered a healthy food additive rather than a harmful one.

South Devon College









Understanding Climate Change and Environmental Awareness (Online) Level 2

This Level 2 Certificate is suitable for anyone who wishes to gain better insight into the principle of climate change and environmental awareness.

The course will provide you with an understanding of the nature of climate change and the role that people play in helping to reduce carbon emissions. You will recognise key challenges in industry and management of resources and waste and develop an insight into a more sustainable way of living.

Through achieving the qualification, you will gain the knowledge and understanding to act as a driver of positive change within the workplace and at home.

This course is fully subsidised (free) for those aged 19+, living in the South West and takes 6-8 weeks to complete.

You may wish to go on to study on one of our Forest School suite of courses upon achievement of this qualification.



What is the goal?

















Torbay Youth Trust

Climate Change Presentation Nov 2021





Young People in Torbay





Climate Change evidence has been growing for some time and is now a world emergency

Our views on Climate Change may vary and so do those of young people

This 11-year-old young person said she is not worried

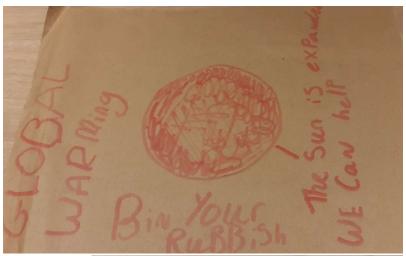




This 13-year-old young person, however, asks us to think about how we can help

For him putting our rubbish in the bin is important

He is also concerned about the Sun expanding









Our Purpose

Torbay Youth Trust is dedicated to promoting and supporting the well-being of children and young people in Torbay, in particular those who need our help most.

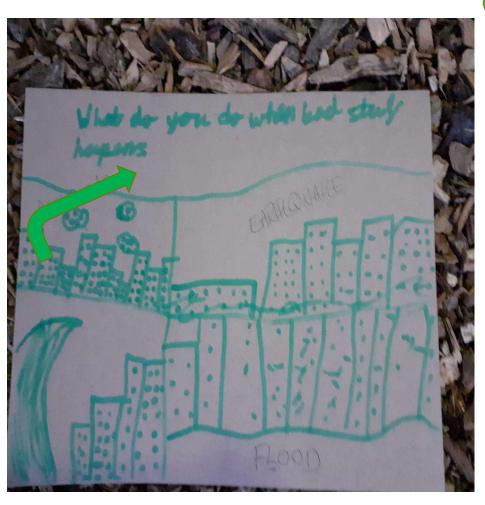
Our skilled and experienced youth practitioners work alongside children, young people and families within their communities, helping to explore strengths, unpick challenges and discover ways to lead fulfilling lives.

We are here to enable children and young people to develop their voice, influence and place in society and to reach their full potential.





The Challenges



It is evident we now have a Climate Emergency

Our role is to be there alongside young people - in what is now more than ever, an uncertain world

As one of our young people asks here in her picture of floods, earth quakes and asteroids.....

"What do we do when bad stuff happens?"

Personal Challenges

Many of the young people and families we support already face their own challenges,

Have emotional and well being issues

Be Young Carers

Be in Care

Be Care experienced

Live in families affected by poverty

Experience Ioneliness

Be at risk of exploitation

Experience family issues

Have struggles at School/College

Face unemployment

Have individual learning needs or disabilities

Be victims or perpetuators of crime

Experience Homelessness

Have Identity struggles

Have relationship issues

Be at risk of radicalisation

Have health issues

Have other caring roles

Be involved in County lines

and so on.....

Global Anxiety

2019/2020

Climate Change Crisis

Covid 19

Lockdowns

World unrest

World protests & voices

2021 adds to this with

A Climate Change

Emergency

Covid 19 repercussions

Continued world unrest

Shortages

Brexit issues

Energy crisis

How can we ask people to take on such a big challenge?

The last 2 years have helped us all to think about life and our place in the World



But how can we be living the dream.....



When we all need to do our bit to save the planet?



Modern Life offers us all more than ever before

Personal Choices

Smart phones

Social media

Designer gear

Cheap clothes

Gaming

Tech

Warm spaces

Digital life

Box Sets

Gambling

Energy drinks

Junk food

Takeaways

Bigger Cars

Global Influences

Cookies on PC that target us

We'll deliver what you want, when you want

Influencer's influence

Social media envy and pressure

Self esteem challenges and Comparisons

Young people can be a targeted as an audience

Public transport

Push bikes

Flectric

Car shares

Renewables

House shares

Heat pumps

Composting

Water butts

Second hand

Upcycled

Biodegradable

Compostable

Swaps

Plastic free

Recycled

Re-used

Make do and mend

Refurbished tech/phones

Refills

Natural products

Vintage

Artisan

Vegan

Fresh

Local

Organic

Baking

Air freight free

Protests

Voices



Social Action



We are all unique

Many young people are leading the way

Some young people are trying to find out

Some are anxious and worried

not show interest just yet







How do we tackle something so Big?

A shared responsibility in Torbay



Climate Change - Access all Areas

This is what young people tell us

Being outside makes me more aware of the woodlands and our environment

I am sort of worried about floods and asteroids

If I were an orangutan I would bite their butt

I don't think about it

We do recycle stuff at home

If I was the animals having my home taken away I would punch them in the face

I like being in the orchard

I love going on holiday

I don't care, it's not my problem

What more could we all do? This is what young people tell us

I think Prince William is right about Climate Change and it makes me feel so hopeful about our Climate

I am a tiny bit worried about eating the animals

We love camping

I like eating apples off the tree I don't get taught anything about the Climate

I have eaten a whole steak before – in a steak eating competition

We recycle paper at School and food we don't eat_____

I don't recycle

The compost toilet is fine

I've eaten vegan sausages, but I would prefer them to be meat

Torbay Youth Trust

We have found that being outside with young people adds a whole other dimension to what we do.

Being in nature is how it is supposed to be for us. The connection we all have to the Earth, to animals, to the trees and the sea is clear, even when we have some fear of these or think it might be

uncool!







Torbay Youth Trust Community Love it Outdoors

Roots to Rise Outdoor therapeutic sessions with the *Apricot Centre* in Lupton House Orchard (*Southwest Family Values*)

Music sessions with *Moor to Sea* in the Orchard

Forest School sessions in the Orchard

Surf Camps at Bigbury with *Discovery Surf*

Dolphin watching expeditions

Walks with our 1 to 1 youth work interventions











Archery in Stoke Gabriel with Reach

Whilst Learning Skills and Being Together









Cooking Outdoors

Outdoor and environmental Arts

Water based activities with *Reach Outdoors* – *Coasteering, Paddle boarding, Body Boarding, kayaking*

Climbing sessions with *Reach outdoors*

Discussion time and informal education

A Museum Take over for our Young Carers

Our Youth Forum Residential on Dartmoor

Our Carbon Commitment

The need for personal growth and innovation can be at odds with our natural pull towards nature.

What we are wanting to provide within our work with young people is for them to have or find their voice and a sense of belonging.

We want to commit now to do more to thread environmental messages throughout our interventions, as we stay alongside our young people whilst they find their way in these challenging times.

We want to find the balance of empowering young people, whilst they still have fun and yet for us all to be far more accountable for our carbon footprints. As individuals and within our Youth Trust Community. Knowledge is powerful.





Our Hope in Action Agenda

- To promote being Carbon Conscious and to find solutions locally
- To have ongoing Climate Conversations as part of our informal learning opportunities with young people
- To find our own Operational Off Sets
- To encourage our young people to become Climate Innovation Influencers
- As well as Emotional Intelligence, we will add Environmental Intelligence to our Language that Cares

We want to find Hope in Action and not to sit back and hope for the best.

It looks like we don't have the time do we?



Thank you South Devon College & Torbay Youth Trust

Any questions?

Please use the QR codes or www.menti.com (code: 4077 9261) to send questions

Next steps for our priority areas











What next?

Councillor Steve Darling



Thank you for coming to our climate conversation

Please keep an eye out for an email with the feedback form & links to resources from today

