

2022 Annual Report

Duncraig SHS
Climate Crew





We respect and honour the traditional custodians of this land, the Whadjuk Noongar people.

We acknowledge the histories, traditions and living cultures of Aboriginal and Torres Strait Islander peoples on this land and commit to building a brighter future together.

The Duncraig SHS Climate Crew in 2022

Meetings on Mondays and Fridays
in the library over Form and Recess

30+ highly motivated students
from Years 7 to 12, plus one 0.2 FTE Sustainability Co-ordinator, Jenny Bibard, and 2 volunteers: Hannah von Ahlefeld (Chair, School Board) and Ms Edwards (Arts teacher)

Five focus areas with actions as outlined in
our (draft) School Climate Policy:

1. Keeping our school beautiful
2. 4Rs: Refuse, Reduce, Re-use, Recycle
3. Measuring and minimising the school's carbon footprint
4. Education
5. Outreach



Duncraig
Senior High School



The 4F Program

- The 4F's stand for '**Friday Forms For the Future**', which is inspired by Greta Thunberg's Fridays for the Future movement, where she skipped Friday classes to participate in demonstrations to demand action from political leaders to prevent climate change and for the fossil fuel industry to transition to renewable energy.
- During the 4F program, Climate Crew members led a **group of year 7 Forms** on a variety of projects such as:
 - Creating posters for paper recycling boxes
 - School cleanups
 - Sorting out stationery donations, and more!
- These projects encourage students to be involved in protecting the environment **in a fun way**.
- Duncraig SHS received a **UWA Grand Challenges Grant** to help fund the program. On 13 October 2022, students were invited to UWA to present their work at the UWA Grand Challenges Showcase.

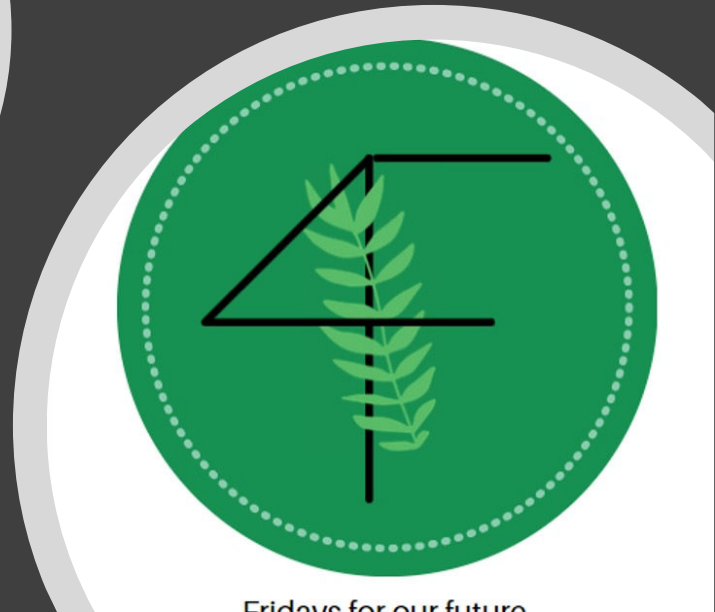




Mission 1 - Keeping Our School Beautiful

Year 7 Cleanups

- Every second Friday during Form, Climate Crew members completed activities with assigned Year 7 Forms.
- The students completed a Kahoot addressing the problem with questions such as 'who creates litter in the school' and 'who has to clean it up'.
- During the cleanup, the year 7s used buckets and pickup tools donated by Bunnings which increased the engagement and participation because of the reach of the pickup tool.
- At the end of the cleanup, students completed an evaluation report outlining the quantity and types of litter collected, and drew conclusions to implement changes.





REFUSE



REDUCE



REUSE



RECYCLE

Mission 2 - 4Rs (Refuse,
Reduce, Reuse, Recycle)

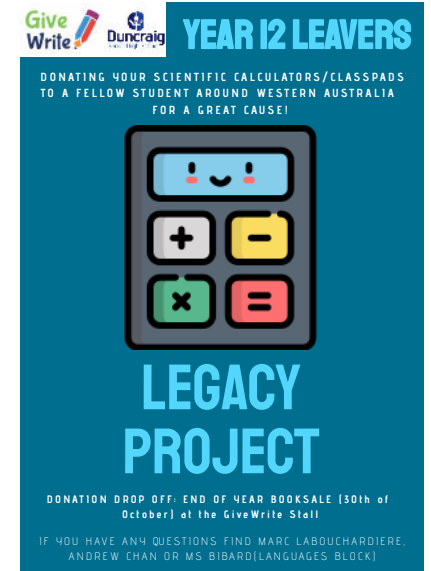


Recycling station in the library

- In 2021, the Climate Crew asked the P&C to fund a large recycling station, similar to the station at Carine SHS, which was set up inside our school library.
- Recyclable materials include ink cartridges, plastic bottle caps, old prescription glasses, broken stationery, old mobile phones, batteries, metal bottle caps, bread tags, old/broken electrical cords, empty/old dental products, and working but unwanted stationery
- The majority of these items are recycled, but some (working/unwanted stationery) are donated to charities such as Give Write for children in need and others are re-used, for example for art projects.
- In 2023, the Climate Crew hope to establish a closed system so that we can re-use or recycle ALL materials ourselves.

Donating and recycling stationery & calculators

- The Climate Crew organised a stationery drive during the Year 12s shirt signing day. Students could donate stationery that was broken and in good condition.
- The working items are donated to Give Write, an organization that takes donations to create school packs and give them to WA students without basic stationery.
- The non-working stationery was sent to OfficeWorks. This saves them from going to landfill and allows the materials to be recycled.
- The Year 7s Forms sorted the stationery donation bin as part of the 4F Program
- As part of leavers, Year 12 Student Counselors also organised donations of calculators as part of the Legacy Project, through Give Write.



Fridays for our future



The Mosaic Project

- One of our missions was to encourage re-purposing items that often end up in landfill – here, bottle caps.
- We worked with all Year 7 Forms, in turns, to create 3 mosaic that represent native flora and fauna.
- We were lucky to receive the support of our Arts & Climate Crew teacher, Miss Edwards as well as Bunnings who donated all the materials for this mural

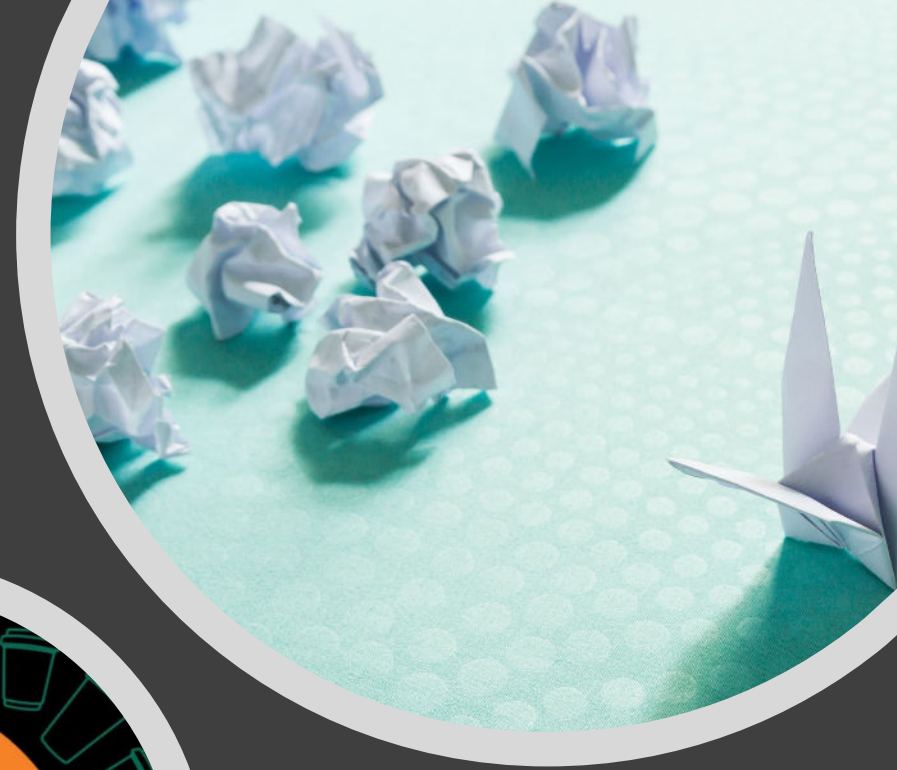


Paper recycling

The Climate Crew implemented paper recycling in classrooms by:

- Placing **paper recycling bins** made from cardboard boxes in all classrooms.
- **Collecting paper from bins regularly** as part of the 4F Program.
- **Re-using paper** by converting it to notepads for use by staff and students.

The Climate Crew also introduced coffee cup recycling through the **7-Eleven Cup Rescue program**, which is placed outside the Barista Room.

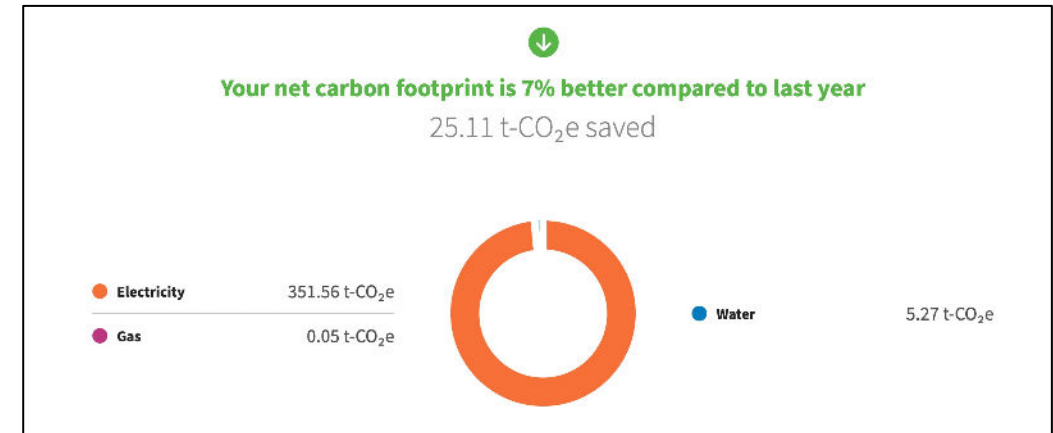




Mission 3 - Measuring and Minimizing the School's Carbon Footprint

Climate Clever

- In 2021, the P&C funded a subscription to **Climate Clever**, an application developed for schools and households to help measure, action, track and offset emissions to become more carbon neutral. Climate Clever visited the Climate Crew in 2021 to speak to students about the program.
- In 2022, students uploaded **all current and historical electricity, water and gas bills** provided by the DSHS Corporate Services Team into the Climate Clever program. This baseline will allow us to track our emissions in future years as we take actions to reduce the school's carbon footprint.





Fridays for our future

Energy reducing poster

- Year 7 Forms were challenged to create a poster as part as the 4F program that explained how teachers and students can reduce energy in the classroom.
- These posters where then displayed in classrooms and around the school.





Mission 4 -
Education

Duncraig SHS Climate Policy

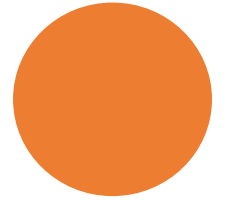
- The Duncraig SHS Climate Policy reflects our school's mission **to take action to address climate change in our school community.**
- The Policy outlines **five Focus Areas** - Keeping Our School Beautiful, 4-Rs (Refuse, Reduce, Reuse and Recycle), Measuring and Minimising the School's Carbon Footprint, Education and Outreach - , **an Action Plan with milestones** for each Focus Area, and the **Responsibilities of all stakeholders** in becoming more climate conscious.
- It was prepared by Year 12 leader Jasmina Nikolowski with student leaders and will be presented to Senior Leadership and School Board in 2023.

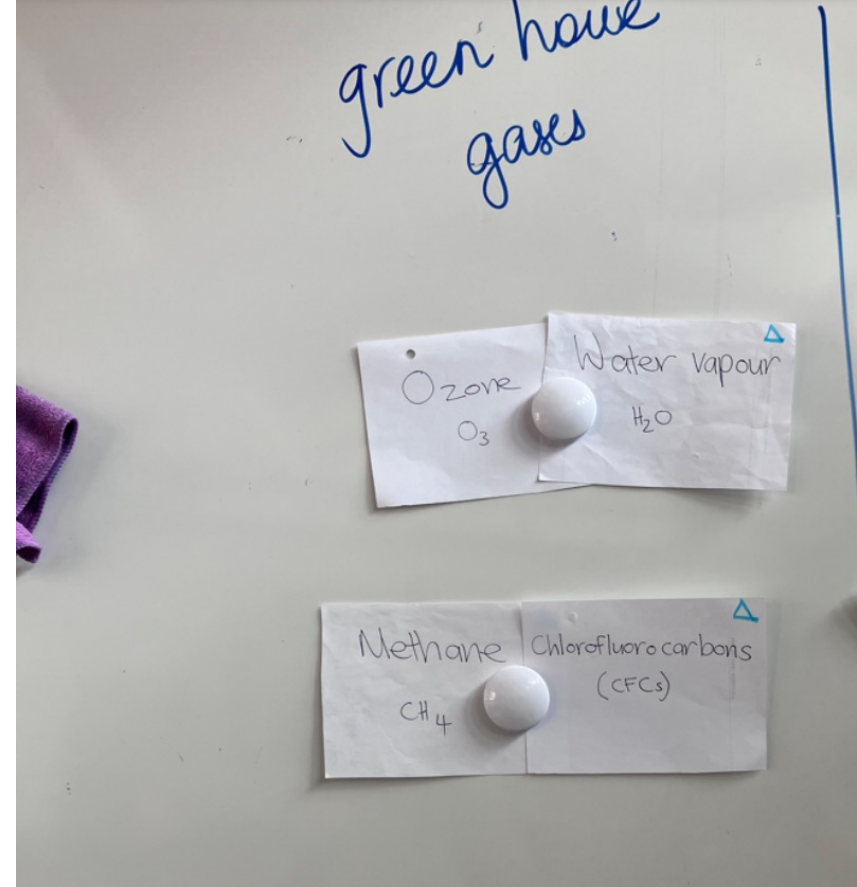
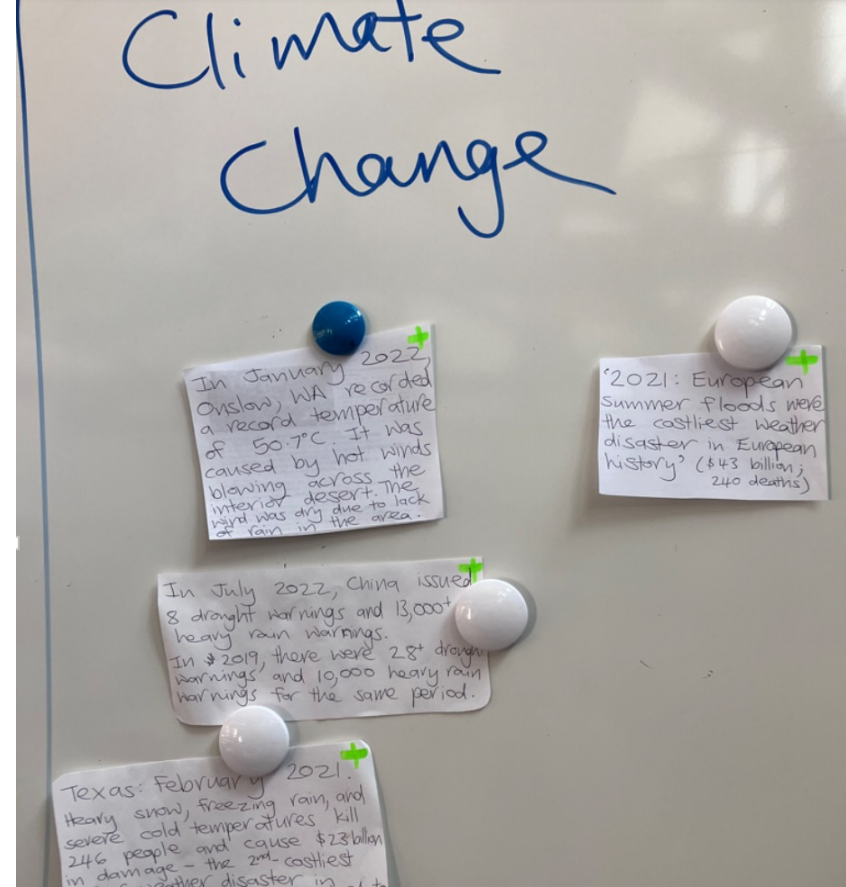


Working across the curriculum

- The Climate Crew collaborate with the **Duncraig SHS Cadet Program**, which for many years has been working to promote environmental understanding, conservation practices, and environmental action and leadership in our students.
- The Climate Crew recognise the importance of the **United Nations Sustainable Development Goals** as a framework for tackling today's global challenges, including Climate Change. Many Climate Crew students have used their knowledge to contribute to the WA Global Citizenship and Sustainability WACE-endorsed curriculum and United Nations Youth Voice Competition delivered through HASS.

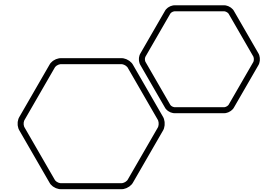
SUSTAINABLE DEVELOPMENT GOAL





Learning sessions with Miss Elek

- Miss Elek is a DSHS parent who has agreed to run some learning sessions with us to make we know our stuff!
- She has been sharing information about the science and history of climate change and global warming



Sustainability Coordinator's Professional Learning

- All-staff presentation of the “Do You Love our Planet” survey’s findings and the immediate action taken by the Climate Crew to address issues raised (implementation of the 4F program)
- Keep Australia Beautiful, Clean Schools Workshop at Dayton Community Centre, August 2022
- West Australian Sustainable Education Forum (WASEF) 2022, 2 December 2022, organised by the Australian Association for Environmental Education





Mission 5 - Outreach

Our Student Council - Climate Crew champions

Letter to the **Minister for Education on Solar Panels**. On 6 September 2022, Student Counsellors wrote a letter to the Hon. Minister Sue Ellery requesting clarification on the school's request for solar panels.

Letter to the **Mayor of the City of Joondalup about FOGO**. On 6 September 2022, Student Counsellors wrote a letter to Mayor Albert Jacobs asking when the Council will receive FOGO, which is composting of all food and organic waste. Many councils already have this... - and it must be implemented by 2025.

Recognition of our **three amazing young student Climate Crew leaders**:

- In August 2022, **Jasmina Nikolowski** (Yr 12) was awarded the Zonta International Young Women in Public Affairs Award, which recognised her work with the Climate Crew and representing the students of WA in the Parliamentary Inquiry to the response of Climate Change from WA schools
- In September 2022, **Megan Reyes** (Yr 11) and **Jasmina Nikolowski** (Yr 12) spoke and presented at the Future Female Leaders graduation gala. They showcased their Social Impact Projects to family, friends and potential investors.
- In November 2022, **Hannah Wallace** (Yr 11) was nominated as the North Metro representative on the WA Student Council.



First Northern Suburbs Climate Summit at Carine SHS



Northern Suburbs Climate Summit

- On 6 December 2022, 10 Climate Crew and 10 students from the Carine SHS Sustainability Group met at Carine SHS to learn, connect and share experiences with their work on sustainability. Hannah Lalor from Waste Sorted also attended the meeting.
- The Climate Crew presented their Annual Report and Carine SHS students discussed their kitchen garden and other projects.
- The group participated in several activities on the United Nations Sustainable Development Goals. Natalie Muhl, a Youth Representative for the United Nations Association of WA, spoke with students via Teams.
- With a lovely kangaroo paw in hand donated by the City of Sterling, students had a great day!

2040 Movie Fundraiser

- On 28 August 2022, Climate Crew organized a film fundraiser for multiple charities: #team seas, team trees and the WWF. More than 70 people attended.
- Information stands from the Wasteless Pantry, Bottle Top Hill, Padbury Community Garden and Emily's amazing Eco-Market were set up in the gym.
- Students served fairy floss, popcorn, and slushies to more than 60 movie-go-ers, who also played games, including Naughts and Crosses, Connect 4 and more.
- We ended the night with a viewing of the movie 2040, a movie explaining realistic solutions to the problems caused by climate change, and a student panel.
- The fundraiser was showcased in the Term 3 2022 Newsletter.



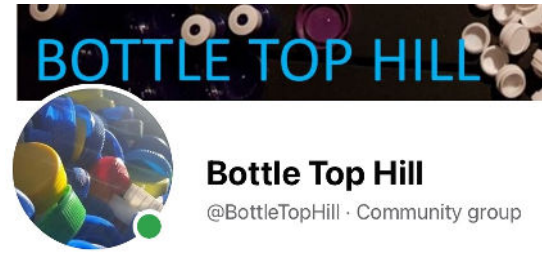
Bee Firm

Jane Cook, the director and executive officer from Bee Firm and Ngoonyal came to talk to the Climate Crew on how their business was established to be sustainable and to support local indigenous people.

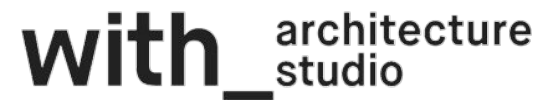
She spoke about reducing the impact on the environment by sourcing ingredients such as red gum honey as it is available all year round so the company could cope with the demand without overwhelming the trees or the beehives. To further protect the environment, they used recyclable packaging and will soon convert their plastic packaging to glass.

The Bee Firm also collaborated with local Aboriginal artists to design the packaging and local aboriginal people that educated them about selecting ingredients according to the season. They used this information to teach local farmers about regenerative farming to protect the environment.





Bottle Top Hill
@BottleTopHill - Community group



Other important visitors

- **Brooke Healy** from **Give Write** and **Zara Germon** from **Officeworks** met with the Climate Crew on 7 April 2022 to discuss **stationery recycling at Duncraig**. Give Write is an organisation we have been working with since 2021, who collects unneeded stationery and donates school packs to less fortunate WA students who would normally be going to school without writing material.
- **Em Charleston** from **Bottle Top Hill** in Melville spoke to the Climate Crew on 6 May 2022 about plastics, bottle tops and the 12Rs program.
- **Daniel Aisenon** and **Seb Tiong** from **With_Architecture Studio**, who are designing the new school build, gave a presentation on "**Understanding sustainability in architecture and design**" on 29 July 2022. Coincidentally, this meeting took place the day after Overshoot Day. Daniel, Design Partner of the first carbon neutral architectural firm in Perth, highlighted the importance of improved sustainability planning in all new builds to close the carbon gap.
- **Alexandra Meek** and **Kelly Lumsden**, who are leading the new **Sustainability Unit** at the Department of Education, visited the Climate Crew on 2 September 2022 to discuss the Climate Crew's work and the new "**Caring for Country Together - Sustainability Framework**".
- **DSHS Canteen Manager, Simone**, met with the Climate Crew on 9 November 2022 to brainstorm ideas and collaborative projects in the **canteen**. Issues discussed were meat-free day(s) and orders, alternative solutions to plastic packaging and contamination of Containers for Change bins.



Our Ambitions for 2023

1. Keeping our school beautiful

- Continue with Clean ups in Year 7 Forms and in consultation with the gardeners
- Obtain accreditation to be a Waste Sorted school and thus be eligible for Waste Sorted grants

2. 4Rs: Refuse, Reduce, Re-use, Recycle

- Upgrade to the 12Rs program, inspired by the Bottle Top Hill Project, in collaboration with learning areas
- Build and maintain a garden(s), where Home Economics and canteen can utilize the products.
- Organise a field trip to visit gardens in other schools

3. Measuring and minimising the school's carbon footprint

- Continue to input data in Climate Clever, including paper consumption, and track at least two actions to reduce emissions, for example related to water usage, energy efficiency, paper use and food waste

4. Education

- Organise a 2-day sustainability learning trip to Busselton SHS and Manea College using funds from a film fundraiser

5. Outreach

- Host the 2nd North Metro School Climate Summit involving DSHS partner primary school and local high schools
- Continue to welcome special guests to help with our missions!