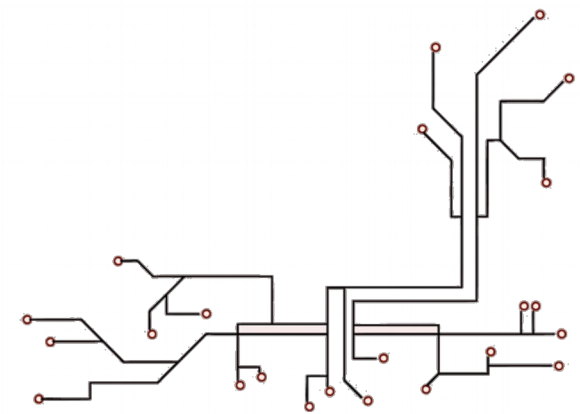
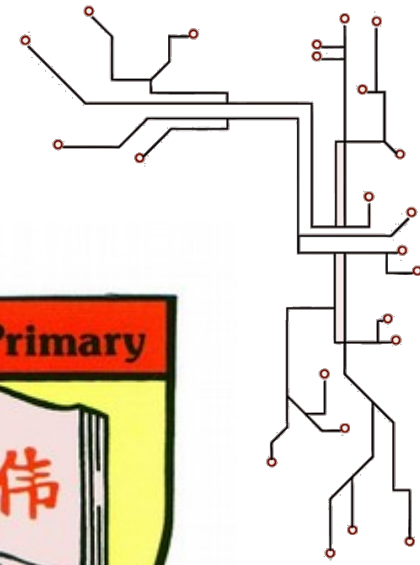


Sustainable Making

- What is Making?
- What is Sustainability?
- What Matters Most to Us?
- How to Pick a Project?
- Let's Make a Commercial



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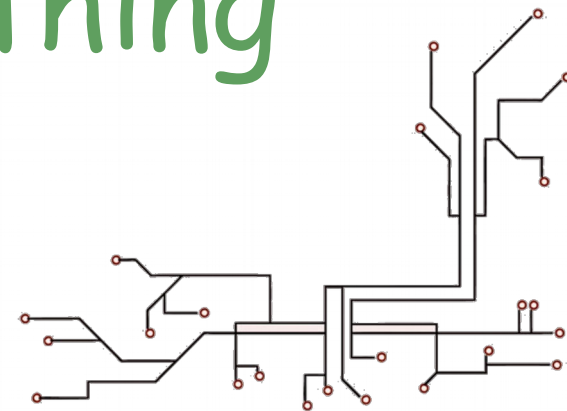
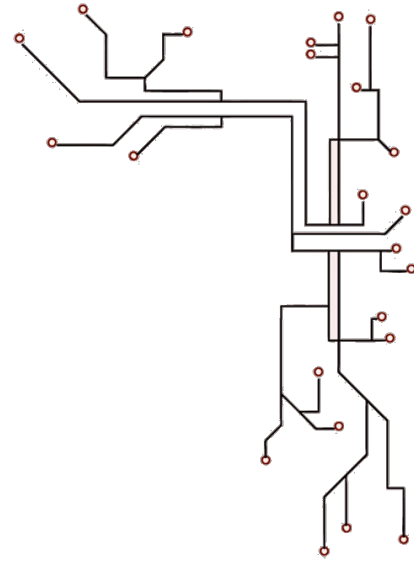
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What is Making???

The Act

of

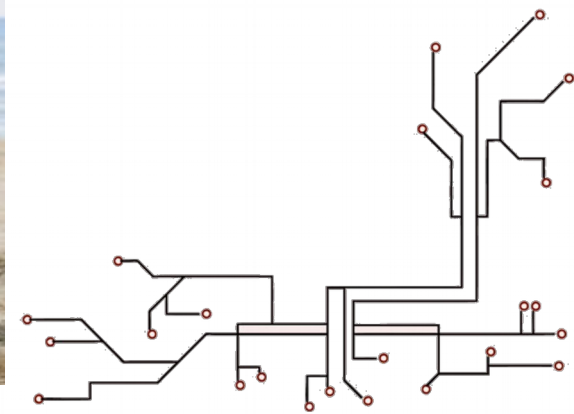
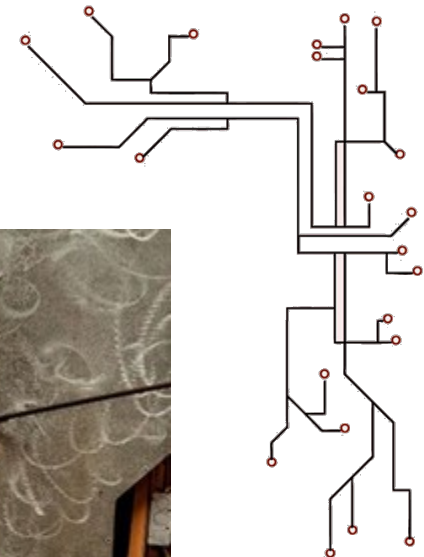
Creating Something



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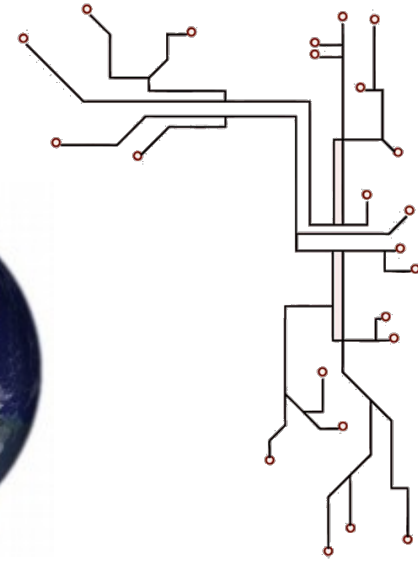
LOTS OF WAYS TO MAKE...



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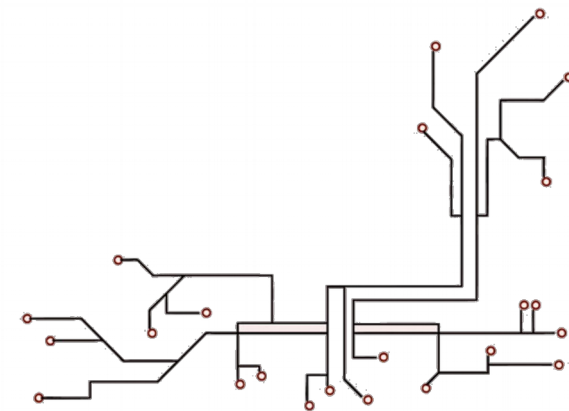
What is Sustainability?

Can life on Earth go on **forever**?



Will Singapore's population keep **growing and growing**?

Can we throw garbage in landfills and into ocean with no **consequences**?



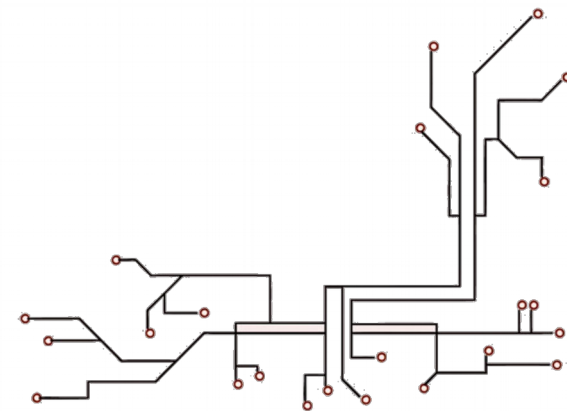
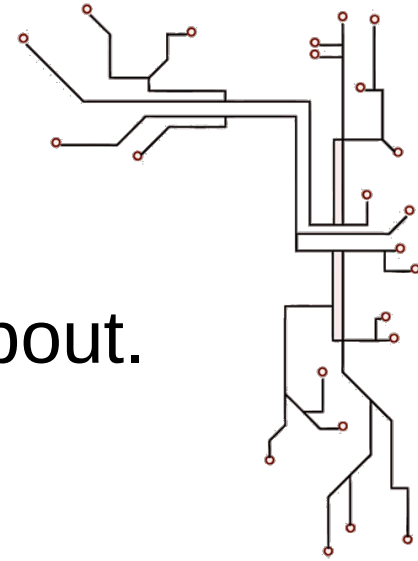
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What is Sustainability?

Sustainability is something we need to worry about.

It is a problem of being able to **live together, comfortably**, and still leave behind a livable city, country, planet for the next generation.



Sustainable Development

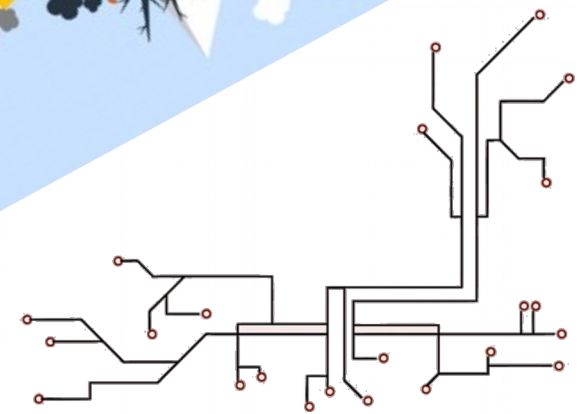
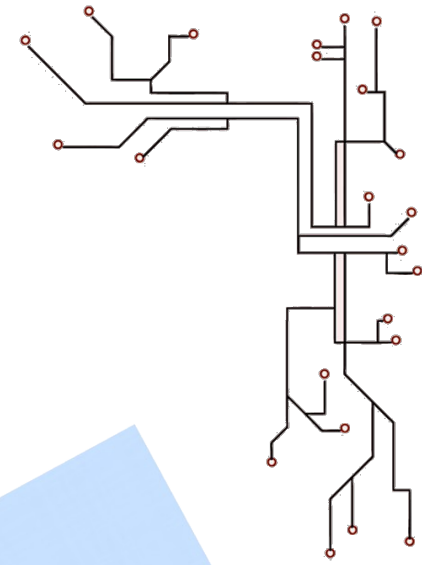
Development is how the world progresses.

More, Bigger Buildings, Nicer Homes.

Better, Faster Technology.

Bigger Port, More Business.

Tastier Food, More Proteins.



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Sustainable Development

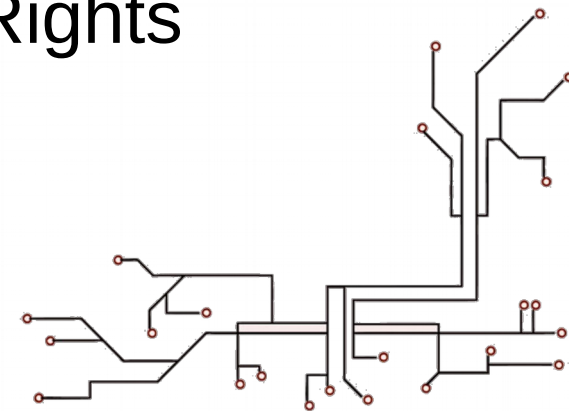
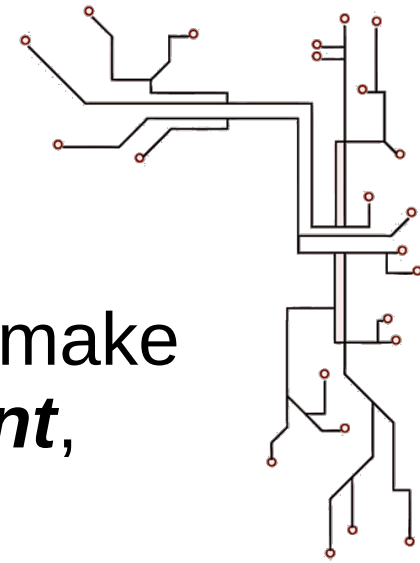
Sustainable Development is how we can try to make progress, while worrying about the ***environment***, and ***social equality***.

Environmental Concerns

- Climate Change
- Deforestation
- Animal Extinction
- Garbage & Waste
- Clean Water

Social Concerns

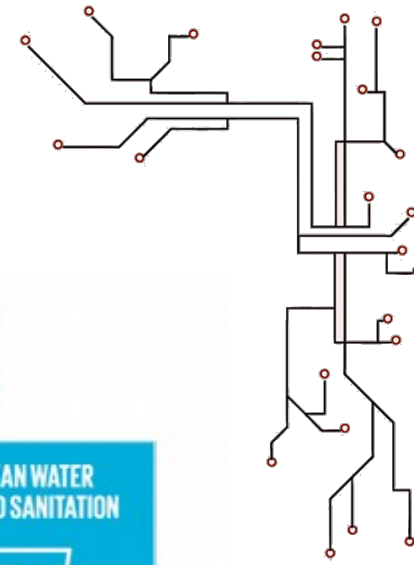
- Income Inequality
- Poverty
- Hunger
- Gender Inequality
- Human Rights



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United Nations SDGs



SUSTAINABLE DEVELOPMENT GOALS

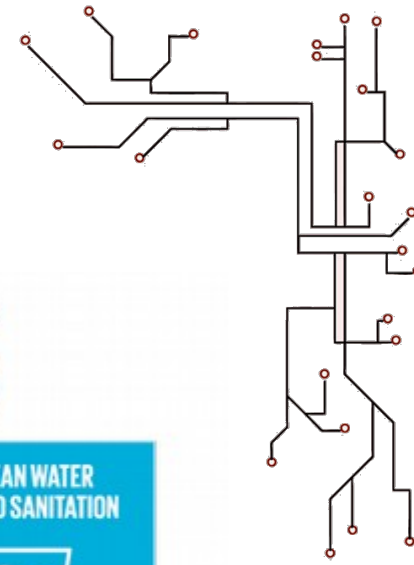
1 NO POVERTY 	2 ZERO HUNGER 	3 GOOD HEALTH AND WELL-BEING 	4 QUALITY EDUCATION 	5 GENDER EQUALITY 	6 CLEAN WATER AND SANITATION
7 AFFORDABLE AND CLEAN ENERGY 	8 DECENT WORK AND ECONOMIC GROWTH 	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE 	10 REDUCED INEQUALITIES 	11 SUSTAINABLE CITIES AND COMMUNITIES 	12 RESPONSIBLE CONSUMPTION AND PRODUCTION
13 CLIMATE ACTION 	14 LIFE BELOW WATER 	15 LIFE ON LAND 	16 PEACE, JUSTICE AND STRONG INSTITUTIONS 	17 PARTNERSHIPS FOR THE GOALS 	



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What Singapore Does Well



SUSTAINABLE DEVELOPMENT GOALS

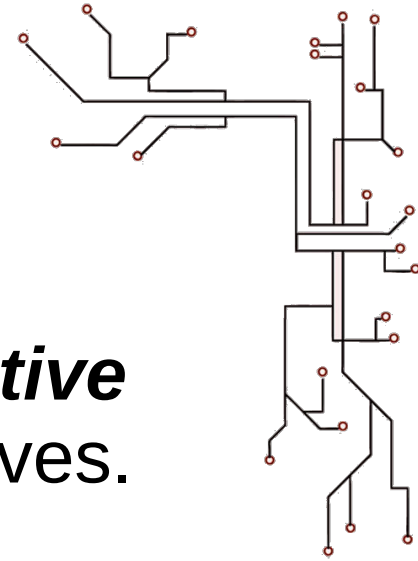


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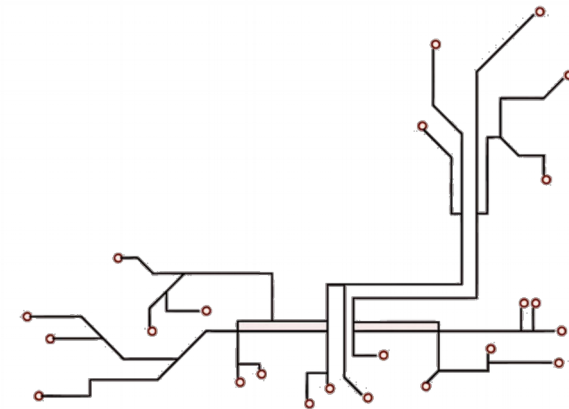
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Some Worries...

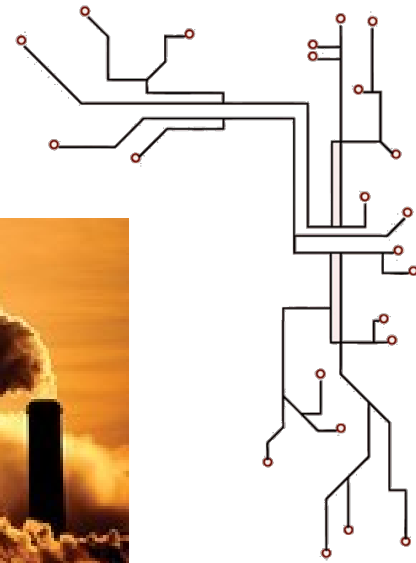


- Good Health & Wellbeing
Health Promotion Board is worrying about ***Inactive Living***, and too much screen time in people's lives. More people are becoming overweight, and ill.
- Clean Water & Sanitation
Singapore is one of the cleanest cities, and has one of the better municipal drinking water systems. But, our water is largely dependent on Johor River... What if Malaysia won't let us use it anymore, or if it dries up, or if it becomes polluted...



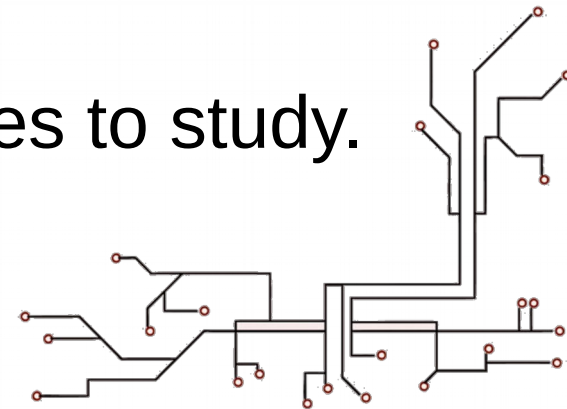
Some Worries...

- Affordable, Clean Energy
Singapore burns fossil fuels for its electric grid.
Hardly use renewable energy.



- Sustainable Cities & Communities
Singapore is a little island. If the population grows dramatically, where will everyone live? Do we have enough space, clean water, clean air, transportation, jobs, food, and playgrounds to share???

This is something the government continues to study.



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Some Worries...

- Responsible Consumption

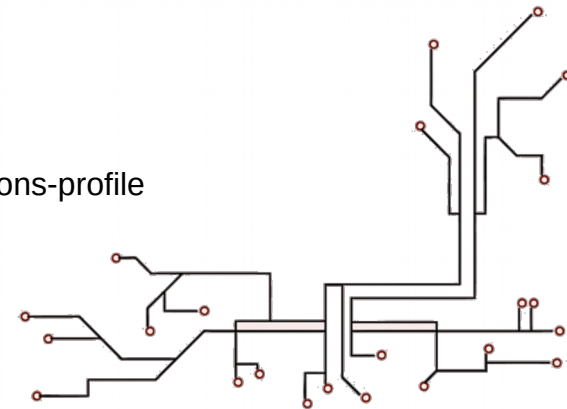
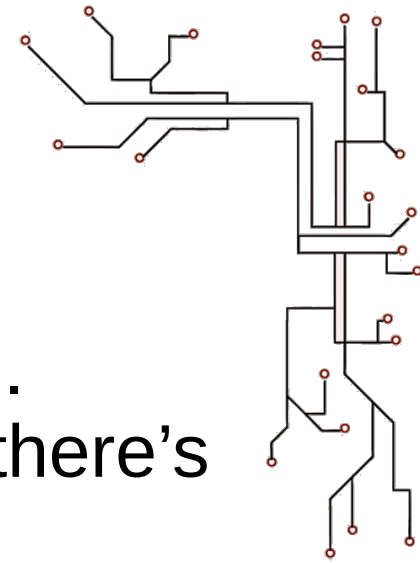
Singapore consumes relatively a lot per person. While much of the waste is properly disposed, there's still a lot which isn't...

- Climate Action

What is Singapore doing to reduce its Carbon Footprint?

Singaporeans have a higher carbon footprint than most of their neighbors – 27th largest footprint per capita (person).

<https://www.nccs.gov.sg/climate-change-and-singapore/national-circumstances/singapore's-emissions-profile>



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Some Worries...

- Life Below Water

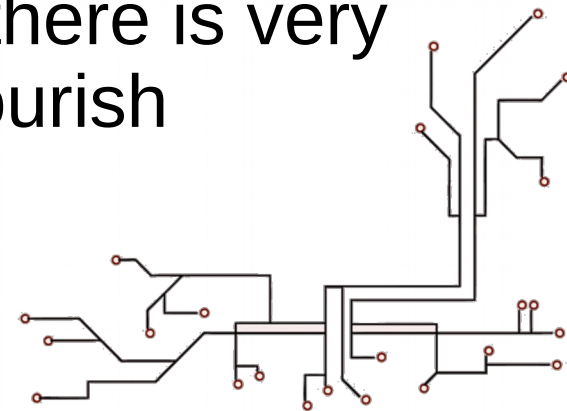
Singapore continues to sacrifice its local fisheries and ocean reefs in order to grow its landmass, as well as support the economy of the Port and Marine Industries.

- Life On Land

While Singapore is clean for people, it's not so welcoming to animals. The Kranji Wetlands, home to migratory birds, are being ruined by industry. No significant primary forests remain, and there is very little chance for native fauna and flora to flourish independently.

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What Worries You Most?

- We will each make a **short animation** about Sustainable Development and something that worries us the most!



- Your commercial will be voted on by the rest of the class, and the top 3 issues/commercials with the most votes will be used to guide a Sustainability Project!



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