



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


SUSTAINABLE DEVELOPMENT GOALS

My Sustainable City

By Isla Threlfall 7W

What I did?

I made a master plan of a sustainable city. I have used simple shapes for the buildings and not gone into detail with what the buildings look like.

There are large green areas any trees that were knocked down were replaced on a two to one ratio.

The city centre is pedestrianised. This means that it is safe for people to walk around.

There are lots of bike lanes, this will encourage people to ride bikes around the city. This is similar to Covent Garden as the centre is pedestrianised.

There are roads that are for buses and bikes only. This is so it is easier and quicker for people to use public transport. The routes cars have to take is longer and this should encourage people to take the bus or train. There is a road which is for emergency services but if a normal car would like to drive down it they have to pay a toll charge. The train stations are located near to bus stops so that it is easy to switch between the two (transport hubs). There is a river that flows through the city. This means ships and boats can easily carry good and people to and from the city.

City Features

Learning, Emergency Services and Housing

- Secondary School
- Primary School
- Flats
- University
- Student accommodation
- Hospital
- Police Station
- Fire Station
- Doctors
- Community Shelter

Green Spaces

- Large park in the north east of the city
- Small park near the hospital
- Nature reserve
- Camping site
- There are also lots of trees spread throughout the city

Shopping, Leisure and Food

- Market in the city centre
- Supermarket
- Mall
- Leisure centre

My City

Schools

The Primary and Secondary school are part of the same all through school. There is a bike shed where students can keep the bikes throughout the day. It is on the edge of the city so it is quite. There are bus stops near the school so children can easily use public transport to get to school. The nearest parking is about five - ten minute walk away. This is so the air near to the school is clean. This is important as it has been proven that pollution is thicker nearer to the ground. That is dangerous for anyone especially small children as it can cause asthma.

Some students study at their place of worship. For this city I have only shown one but there would be other building such a Mosques and Synagogues

University

The University is north-west of the city centre. This is so it is near the main trains links and major bus routes to make it easier for university students to travel to and from Uni. There are two accommodation building on site so students who do not live near the University can stay on campus.

Flats

There are flats near to the school so that children can easily walk to school. For this I have only shown where a few of the flats could go. Although the flats are near to the school don't have much outdoor space they are only a short walk from the nature reserve, campsite and park. There is underground parking for any vehicles.

Green Space

There are lots of parks for people to spend time in. But there is also lots of undeveloped areas. This is good as it means there is space for the city to expand and grow. Any trees being cut down in this city for building have to be replaced on a 2:1 or 3:1 ratio. If they are being cut down because of disease they only have to be replaced on a 1:1 ratio.

Emergency services

The emergency services are all near each other east/ southeast side of town. There is a police and fire station, and a hospital. Most of the vehicles are parked underneath the buildings. On the side of the hospital there is a residential area that can be used for ICU patients. Anyone who has regular treatment and it takes too long to travel between the hospital and home, or anyone staying overnight.

City Centre

In the city centre most the buildings have sophisticated living walls. My inspiration was the living wall on my dad's office in Covent Garden. (the image is from google maps street view). There is a market were people can by fruit and veg. There is also a restaurant and other business There are also two office buildings



Recycling Bins

There are lots of recycling bins spread throughout the city. There are paper recycling, bottle recycling, food waste, mixed recycling. These ones are very big and there are smaller landfill bins.



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SUSTAINABLE DEVELOPMENT GOALS

Is my city sustainable

On the previous slide was a picture for the sustainable development goals from the United Nations. The number represent each goal

1. There are sufficient amounts of flats and space to build more or council housing
2. There are supermarkets and markets where you can buy food. There is a community shelter (with a food bank) where those who are struggling for money can come and get food
3. There is a hospital and doctors where you can go if you are ill.
4. There are state schools, religious schools and universities where people can attend school. The schools are free but you have to pay to go to Uni.
5. Anyone can have any job in this city and jobs are given by ability not gender.
6. Everyone has access to taps where they can get fresh water. If people can not afford their water bill there are water fountains in the city centre or you can get water from the community shelter or ask for some at a restaurant
7. Most of the buildings are fitted with solar panels they have a carbon cost of around 5-10 years they have a warranty of about 20 years. The panels will degrade by about 1% every year.

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8. There is space to build more accommodation and work environments for when the population grows.
9. There are sufficient amount of jobs and solar panels are on the roof of most buildings and there is a wind turbine farm that powers the city that is about a mile from the most southern point.
10. Everyone is valued equally and anyone can do anything(except crime you will be punished).
11. I am aiming to make my city sustainable and to have strong communities within.

Is my city sustainable

12. Products are produced and distributed at rate were people buy them. Most of the products have long expiration dates and store managers think they have to much produce can donate some to the community shelter food bank.

13. There are lots of trees being planted and people are not encourage to drive their own car round the city but to use public transport.

14. There is a river where fishes are protected by strict fishing rules.

15. There is a nature reserve to help, care and nurture animals

16. The city values everyone views

17. People are asked to protect their city.







My Plan

