

Stepping Stone:

You need to know ...

- ✓ Basic principles of sustainable urban planning, including efficient land use, green spaces, and reducing carbon footprints.
- ✓ How energy is generated, distributed, and used within a city.

You will be able to...

- ✓ Design a city with integrated energy systems that efficiently use renewable sources.
- ✓ Integrate water conservation and waste management systems that complement the energy systems.
- ✓ Designing green spaces and urban forests that help improve air quality and provide recreational areas.


**let's
Think**

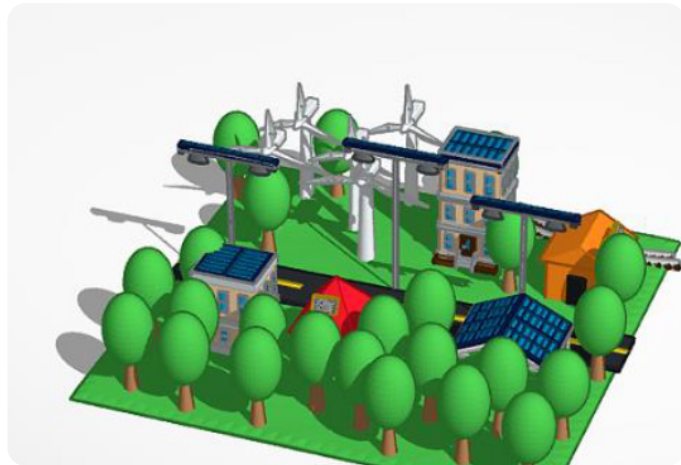


What are the challenges of integrating multiple renewable energy sources, such as wind and solar, into a city's power grid?

Explore



Imagine your sustainable city, what do you want to add in it and design that on tinkercad so you can use that later as a reference.



Watch it..

To understand more about smart cities let's watch this video.

Scan Here!

<https://www.youtube.com/watch?v=Br5aJa6MkBc>

Assessment

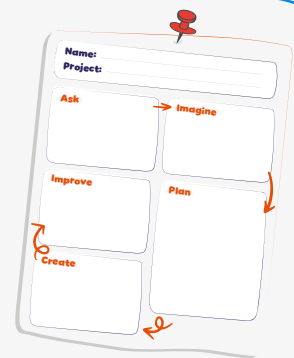
Practice



Highlight the changes you are going to do in your city to make it smart.



After we have chosen our best material for the building, let's go back to our EDP paper and add to the planning part.



Now I can...

- Designing green spaces and urban forests that help improve air quality and provide recreational areas.
- Integrate water conservation and waste management systems that complement the energy systems.
- Design a city with integrated energy systems that efficiently use renewable sources.