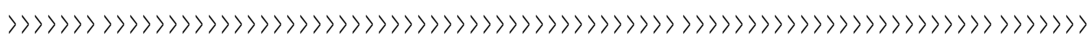


Eco Houses ~STEAM Education from Queensland



Warm up!

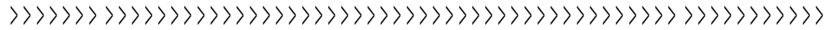


Check the important words and phrases used in the session and what they mean.
You can also use the read-aloud voice on the website to check your pronunciation.

<input checked="" type="checkbox"/> Words & Phrases	訳
<input type="checkbox"/> 1. sustainable home	持続可能な家
<input type="checkbox"/> 2. eco-friendly housing	環境に優しい住宅
<input type="checkbox"/> 3. brick	れんが
<input type="checkbox"/> 4. veneer	張り板、薄板
<input type="checkbox"/> 5. insulation	断熱材
<input type="checkbox"/> 6. retain	～を保つ
<input type="checkbox"/> 7. disperse	～を分散させる
<input type="checkbox"/> 8. solar panel	太陽電池板、ソーラーパネル
<input type="checkbox"/> 9. wind turbine	風力発電機、風力タービン
<input type="checkbox"/> 10. livable	住みやすい
<input type="checkbox"/> 11. deciduous tree	落葉樹
<input type="checkbox"/> 12. greenery	緑の草木、緑樹
<input type="checkbox"/> 13. sustainability	持続可能性
<input type="checkbox"/> 14. harness	～を利用する
<input type="checkbox"/> 15. hypothetically	仮に
<input type="checkbox"/> 16. double glazed window	二重窓
<input type="checkbox"/> 17. tinted	薄く色のついた
<input type="checkbox"/> 18. cavity	空洞
<input type="checkbox"/> 19. tidal wave	高潮、高波



Let's join the session!



[1] What kind of house do you want to live in?

[2] What kind of house do you think an eco-friendly house is?

[3] Please give a concrete example of how to retain heat in a house.

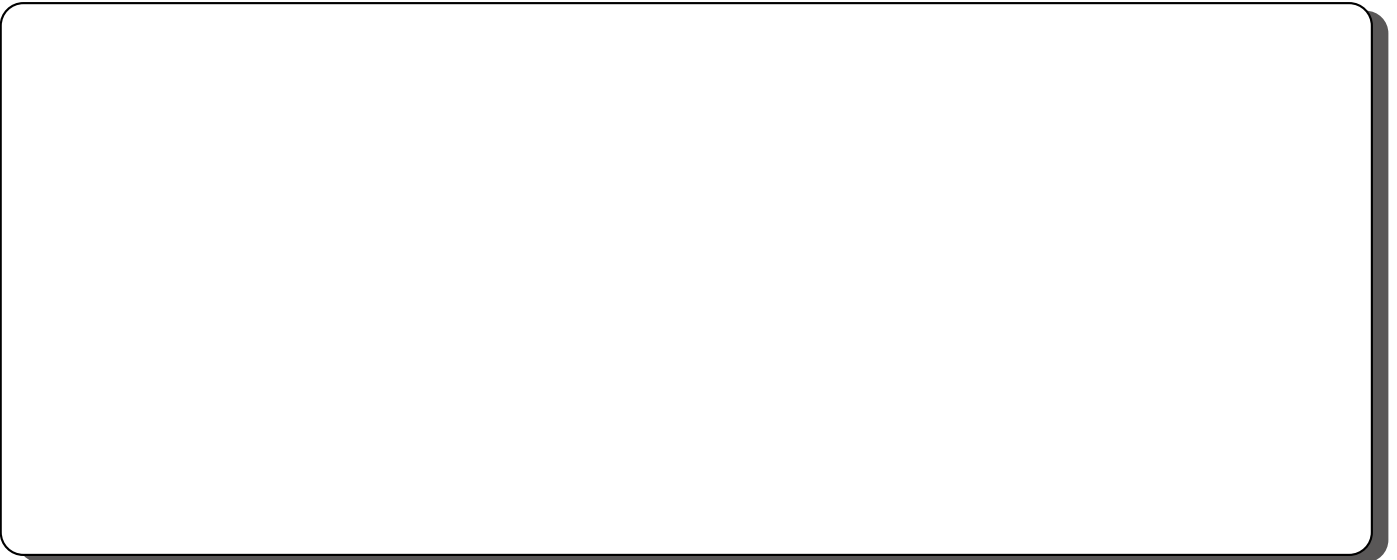
[4] What implication does grass on the roof have from a structural point of view and energy efficiency?

[5] How can we create power from nature?

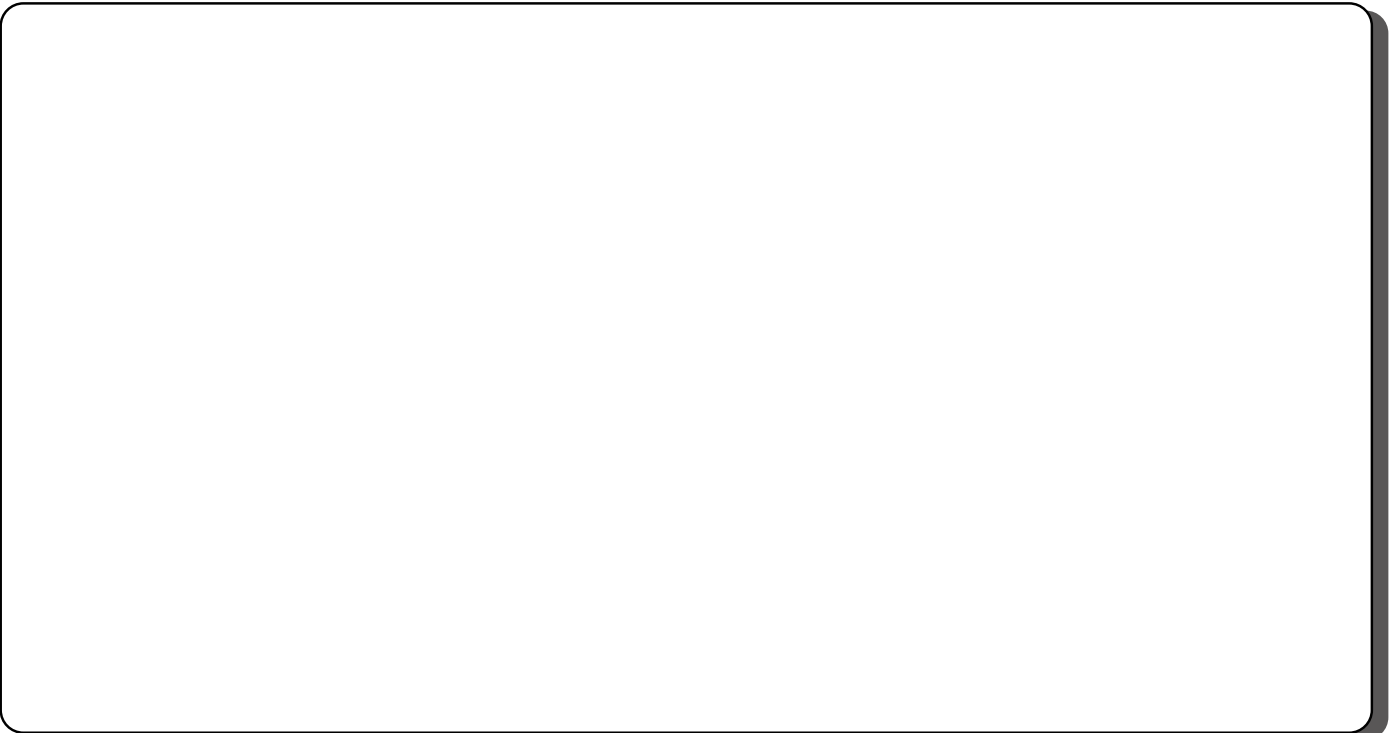
[6] What's the trouble with building wind turbines on coastal regions?



[7] Look at an ordinary house and point out what are changes that you would make and where you put them to transform the house into an eco house.

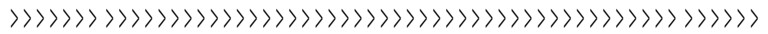


[8] Please give your opinion about sustainable houses.





Wrap up the session!



[1] The following is the summary passage of the session. Write down the appropriate words in the following blanks of the passage.

An eco house is an () efficient house that makes the most of the natural (). For example, () () are installed on the roof to create () from sunlight. You can also place () () in windy places to generate electricity from the wind. In addition, if rain water is stored in the () (), the water can be reused. Double glazed () and brick veneer () keep heat in the house and save energy. If you make a () () in the space around the house, you can supply food. You can make () with household food waste. Various kinds of sustainable houses can be considered depending on the land and () of the regions.

[2] Write down what you learned through today's session.

