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.

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