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**Observing the sun- Sun and life**

**Warmer**

1. What role does the sun play in our daily lives? 曬衣服 ✓
2. Which technological products run on solar energy? 太陽能車 ✓

**Language**

Solar energy	Renewable energy	Solar panels
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<u>Renewable energy</u>	Energy from a source that is not depleted when used, such as wind or solar power.
<u>Solar panels</u>	A panel designed to absorb the sun's rays as a source of energy for generating electricity or heating.
<u>solar energy</u>	Radiant energy emitted by the sun.

ep

**Content**

Watch a video of What is Solar Energy? (5:07) and discuss the following questions in a small group.

1. Do these wind, water and fossil fuels also need solar energy? Yes
2. How many times the temperature of the sun is the temperature of baking pizza? 115
3. How many years will it take us to run out of oil and coal?

Notes: <u>Yes</u>
<u>溫度 6000</u>
<u>oil and 天然氣 50 year coal is 115 years</u>

**Thinking**

K what I know	W What I want to know?	L What I learned
<u>石油 天然氣 煤炭 要省着用</u>	<u>宇宙大爆炸 前長什麼樣?</u>	<u>簡單用中文 其他中心</u>

好啱!  
之後多加中文

Observing the sun- Sun and life

Warmer

1. What role does the sun play in our daily lives? 日常物品
2. Which technological products run on solar energy? 太陽能太空站

Language

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heat 熱

light 光

Content

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1. Do these wind, water and fossil fuels also need solar energy?
2. How many times the temperature of the sun is the temperature of baking pizza?
3. How many years will it take us to run out of oil and coal?

temperature

↓  
溫度

Notes: 需要
2. 60000個 pizza
115年(煤) 50年(天然氣和油)

比 pizza 披薩

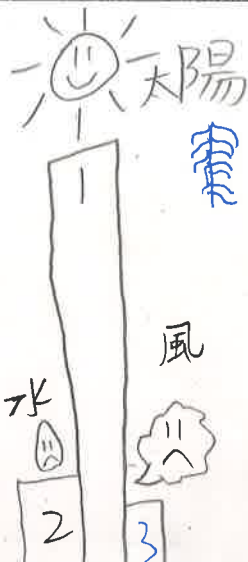
Thinking

K what I know	W What I want to know?	L What I learned
關於太陽的事	1. 如果真的有九個太陽會發生什麼事? 2. 如果沒有太陽會發生什麼事?	1. 一半中文 一半英文 2. 笑話 好好笑

Gas 氣

Oil 油

coal 煤



Natural Gas 天然氣  
油和天然氣再50年就  
用光了(照現在的速度)

Observing the sun- Sun and life

Warmer

1. What role does the sun play in our daily lives?
2. Which technological products run on solar energy?

曬衣服、植物光合作用

大太陽能車、太陽能板、太陽能錶

Language

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Watch a video of What is Solar Energy? (5:07) and discuss the following questions in a small group.

1. Do these wind, water and fossil fuels also need solar energy?
2. How many times the temperature of the sun is the temperature of baking pizza?
3. How many years will it take us to run out of oil and coal?

Notes: Yes
60000 times
Coal: 115年 natural gas 50年 oil: 50年

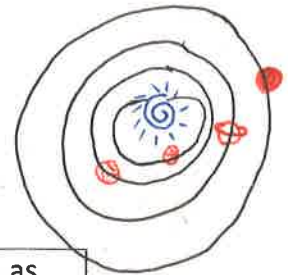
Thinking

K what I know	W What I want to know?	L What I learned
我知道關於太陽的事: 太陽能車、太陽能背包、太陽能錶	宇宙怎麼來的	開心! 好玩

### Observing the sun- Sun and life

**Warmer**

1. What role does the sun play in our daily lives? *曬衣服*
2. Which technological products run on solar energy? *太空站 太陽能*



**Language**

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**Content**

Watch a video of What is Solar Energy? (5:07) and discuss the following questions in a small group. *討論*

1. Do these wind, water and fossil fuels also need solar energy? *Yes.*
2. How many times the temperature of the sun is the temperature of baking pizza? *60000*
3. How many years will it take us to run out of oil and coal? *115 years.*

Notes:	1. Yes
	2. 60'000
	3. 115 years

**Thinking**

K what I know	W What I want to know?	L What I learned
I knew the sun can give our light.	I want to know why 宇宙 has many sun.	I feel good, find and happy. Its Ok.

**Observing the sun- Sun and life**

**Warmer**

1. What role does the sun play in our daily lives? (太陽)
2. Which technological products run on solar energy?

太陽能太空站, 太陽能車, 太陽能燈  
太陽能熱水器

**Language**

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1. Do these wind, water and fossil fuels also need solar energy?
2. How many times the temperature of the sun is the temperature of baking pizza?
3. How many years will it take us to run out of oil and coal?

Notes:	The sun gives lots energy into space as heat and light called rays its we could capture continuously meter of earth out oil gas in the next 50 or 100 years
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**Thinking**

K what I know	W What I want to know?	L What I learned
我最喜歡的事 是老師講給我 們的大陽之熱力 要用什麼環保來 利用	我知道很多環 保的能源如: 太 陽能車, 太陽能熱 水氣等	老師講的很好 。我很喜歡 😊

### Observing the sun- Sun and life

**Warmer**

1. What role does the sun play in our daily lives? We dry our clothes, dry fruit, jurky ✓
2. Which technological products run on solar energy? space stop (太空站) and solar energy car. ✓

**Language**



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1. Do these wind, water and fossil fuels also need solar energy?
2. How many times the temperature of the sun is the temperature of baking pizza?
3. How many years will it take us to run out of oil and coal?

Notes: Yes, wind, water and fossil fuels need solar energy. 
60,000 times 
It take 50~115 years!! 2021

**Thinking**

K what I know	W What I want to know?	L What I learned
I know teacher is a good man. 😊	I know teacher waste his-time for this class. ✓	I learn some knowledages. I learn som English.
I know sun is important to every planet. ✓	I want to know where the univrs came from. ✓	I like this class. I'm happy to have this class. ✓

### Observing the sun- Sun and life

**Warmer**

1. What role does the sun play in our daily lives? *light and hot and help animals protect temperature.*
2. Which technological products run on solar energy? *太陽能車*

**Language**

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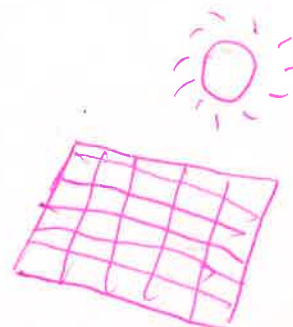
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1. Do these wind, water and fossil fuels also need solar energy? *石油(天然气)*
2. How many times the temperature of the sun is the temperature of baking pizza? *60000*
3. How many years will it take us to run out of oil and coal? *50 years and 115 years*

<b>Notes:</b> <i>Yes, they need solar energy.</i>
<i>60000</i>
<i>50 years and 115 years</i>

**Thinking**

K what I know	W What I want to know?	L What I learned
<i>I know the shadow sun and more English.</i>	<i>I want to know about the sun.</i>	<i>When we see the video, you can don't stop.</i>



A++

Observing the sun- Sun and life

Warmer

1. What role does the sun play in our daily lives? 曬衣服 ✓
2. Which technological products run on solar energy? 太空站 ✓

Language

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1. Do these wind, water and fossil fuels also need solar energy?
2. How many times the temperature of the sun is the temperature of baking pizza?
3. How many years will it take us to run out of oil and coal?

Notes: ① Yes
② 60,000
③ 50 year and 115 year

Thinking

K what I know	W What I want to know?	L What I learned
I learned what is Energy the sun and how to use com pass. ✓	宇宙有多少顆行星? ✓	不要有太多問題 <u>好啱!</u>

2'49'未

FIX



Observing the sun- Sun and life

康哲瑞

Warmer

1. What role does the sun play in our daily lives? Help the animals protect heat.
2. Which technological products run on solar energy? sun energy car, sun watch

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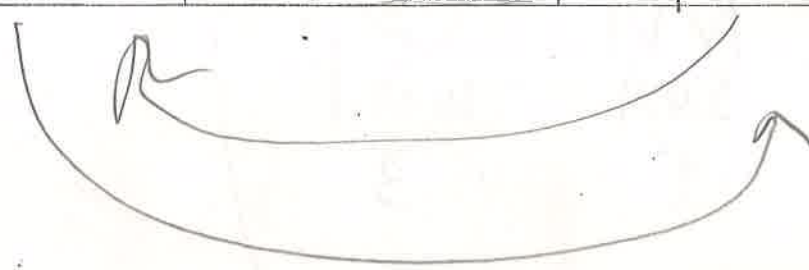
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1. Do these wind, water and fossil fuels also need solar energy?
2. How many times the temperature of the sun is the temperature of baking pizza?
3. How many years will it take us to run out of oil and coal?

Notes: Yes, fossil fuels need animal and tree, wind is make of hot wind and cool wind, water cycle need sun to evaporate (蒸发) 2. 60000 time to bake pizza

3. We can't use they all time, it just have 50 years (natural gas, oil, coal last have 115 years)

K what I know	W What I want to know?	L What I learned
I think more English be great	I want to know the 天王星 English is what? Uranus	I learned what is Energy. the sun and how to use compass.



**Observing the sun- Sun and life**

**Warmer**

1. What role does the sun play in our daily lives? 種植物、曬衣服、太陽能發電
2. Which technological products run on solar energy? 太陽能車、太陽能太空站、太陽能手錶

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2. How many times the temperature of the sun is the temperature of baking pizza? 石化能源 米溫度
3. How many years will it take us to run out of oil and coal?

Notes: 1. Yes, it does.
2. 60,000 times
3. Oil: 50 years coal: 115 years

**Thinking**

K what I know	W What I want to know?	L What I learned
有很多東西都是需要太陽能的，像是手機、風力、水力。	太陽能太空站要怎麼運作?	很棒

A+++

### Observing the sun- Sun and life

**Warmer**

1. What role does the sun play in our daily lives? 計時(唔) ✓
2. Which technological products run on solar energy? 太陽能計算機 太陽能燈 太陽能電池 太陽能燈包 ✓

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renewable  
再生能源

**Content**

Watch a video of What is Solar Energy? (5:07) and discuss the following questions in a small group.

1. Do these wind, water and fossil fuels also need solar energy? 需要! ✓
2. How many times the temperature of the sun is the temperature of baking pizza? 60,000 TIMES
3. How many years will it take us to run out of oil and coal? 石油: 50 years 煤: 115 years ✓

Notes: Yes.
60,000 TIMES.
石油: 50 years 煤: 115 years

**Thinking**

K what I know	W What I want to know?	L What I learned
風力、水力發電都需要太陽! ✓	太陽消失會影響海洋嗎? ✓	有點難但很有趣! ✓