《高中英语》（上外版）

选择性必修第一册第四单元

Future Living

授课教师：孟莎

选择性必修第一册第四单元
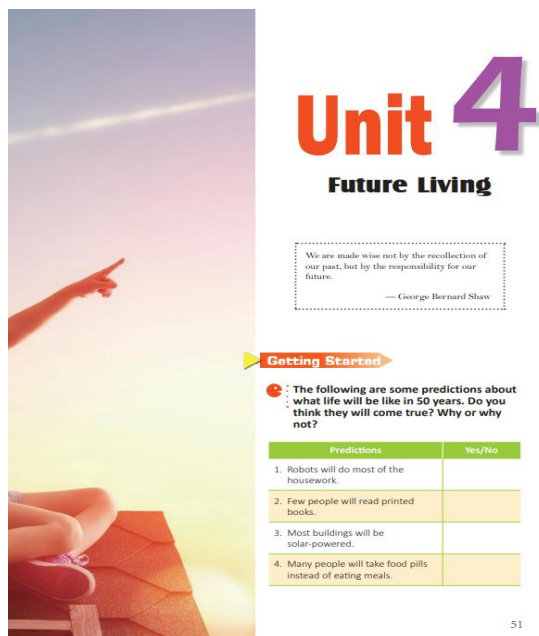
课时	授课内容
1	Getting Started/ Reading A
1	Reading A/ Vocabulary Focus
1	Grammar in Use
1	Listening, Viewing and Speaking
1	Reading B
1	Critical Thinking
1	Writing
1	Further Exploration/ Self-assessment

学习目标 Learning Objectives：

At the end of the lesson, you will be able to …

1. 能在语境中理解并使用目标词汇；
Understand and use the target vocabulary in the context;

2. 能拓展与"智慧生活"相关主题词汇；
Expand your topic-related vocabulary;

3. 能谈论未来住所发生的变化，体会科技进步对人类文明的影响。
Discover the impact technology has made on our life and share your predictions towards future smart life.

green and smart

weather-proof
- **nestle** under **gigantic** glass domes
- surrounded by **lush** trees and shrubs
- **tropical** birds

solar-powered
- solar **panels**
- a **tiny** amount of energy **equivalent** to one gas ring

the future home

comfortable
- **constant** computer-controlled warmth
- robots doing **household chores**
- **ultimate** home computer
- **integrated** laundry
- a power wall in each room
- **filtered** air with **scented** smell

fun
- moving walls/party
- **simulators**
- adventures

safe
- weather-proof
- voice recognition
- **discreet** electronic **servant** overseeing **security**

I. Key Vocabulary

Fill in the blanks with words or expressions from the text to complete the passage. Refer to the explanations in the box if necessary.

When you are not home, some little doubts can start to crowd your mind. Did I turn the lights off? Did I set the **1** _____ alarm? Is the temperature indoors too low for my pet?

With a smart home, you could quiet all these worries with a quick look at your smartphone or tablet. You could connect the **2** _____ devices in your home so they can communicate with each other and with you. Of course, you will have the **3** _____ control of all the smart devices at home.

Almost any device in your home that uses electricity can be **4** _____ into your home network and under your control. Most applications relate to lighting, temperature control, home security, **5** _____ chores, and entertainment. Living in a smart home, you will definitely enjoy more leisure time. Also, as an electronic **6** _____ takes over almost all the housework, the old-fashioned tools such as **7** _____ and steam irons will be gone. Much of this is due to the jaw-dropping success of smartphones and tablet computers. These ultra-portable computers are everywhere, and their **8** _____ Internet connections mean they can be designed to control numerous online devices from basement to **9** _____. The idea of a smart home may sound like something in **10** _____. However, the technology is real and is becoming increasingly smart. It is especially useful for the elderly and people with disabilities who wish to live independently.

1. the activities involved in protecting an building

2. connected with electricity

3. the final and the most important

4. combined to form a single thing

5. relating to a house or family

6. a person working in service of another

7. a cloth for removing dust

8. that does not change

9. top inner surface of a room

10. stories about events in the future which are affected by imaginary scientific developments

When you are not home, some little doubts can start to crowd your mind. Did I turn the lights off? Did I set the **1** _security_ alarm? Is the temperature indoors too low for my pet?

With a smart home, you could quiet all these worries with a quick look at your smartphone or tablet. You could connect the **2** _electrical_ devices in your home so they can communicate with each other and with you. Of course, you will have the **3** _ultimate_ control of all the smart devices at home.

Almost any device in your home that uses electricity can be **4** _integrated_ into your home network and under your control. Most applications relate to lighting, temperature control, home security, **5** _household_ chores, and entertainment.

1. the activities involved in protecting an building
2. connected with electricity
3. the final and the most important
4. combined to form a single thing
5. relating to a house or family
6. a person working in service of another
7. a cloth for removing dust
8. that does not change
9. top inner surface of a room
10. stories about events in the future which are affected by imaginary scientific developments

When you are not home, some little doubts can start to crowd your mind. Did I turn the lights off? Did I set the **1** _security_ alarm? Is the temperature indoors too low for my pet? With a smart home, you could quiet all these worries with a quick look at your smartphone or tablet. You could connect the **2** _electrical_ devices in your home so they can communicate with each other and with you. Of course, you will have the **3** _ultimate_ control of all the smart devices at home. Almost any device in your home that uses electricity can be **4** _integrated_ into your home network and under your control. Most applications relate to lighting, temperature control, home security, **5** _household_ chores, and entertainment.

apps

1. the activities involved in protecting an building
2. connected with electricity
3. the final and the most important
4. combined to form a single thing
5. relating to a house or family
6. a person working in service of another
7. a cloth for removing dust
8. that does not change
9. top inner surface of a room
10. stories about events in the future which are affected by imaginary scientific developments

Living in a smart home, you will definitely enjoy more leisure time. Also, as an electronic 6 __*servant*__ takes over almost all the housework, the old-fashioned tools such as 7 __*dusters*__ and steam irons will be gone. Much of this is due to the jaw-dropping success of smartphones and tablet computers. These ultra-portable computers are everywhere, and their 8 __*constant*__ Internet connections mean they can be designed to control numerous online devices from basement to 9 __*roof*__. The idea of a smart home may sound like something in 10 __*science fiction*__. However, the technology is real and is becoming increasingly smart. It is especially useful for the elderly and people with disabilities who wish to live independently.

constant temperature
constant speed

1. the activities involved in protecting an building
2. connected with electricity
   ost
   a
   or
   n
   g
   dust
8. that does not change
9. top inner surface of a room
10. stories about events in the future which are affected by imaginary scientific developments

Read the text and the passage on page 55 again and collect useful expressions about smart home technology.

- **security alarm**
- **household gadgets**
- **simulator**
- **discreet electronic servant**
- **integrated laundry**
- **ultimate home computer**
- **constant Internet connections**
- **smart devices**
- **electric servant**

smart devices

ultimate home computer

smartphone / tablet

constant Internet connections

new technology trends

- **5G Networks**

- **3D printing technology**

- **augmented reality（AR）**

- **artificial intelligence（AI）**

People can use it to create almost anything from food to fashion to actual human body parts.

It offers much faster and more reliable internet connections to smartphones and other devices.

It makes it possible for machines to learn from Experience and perform human-like tasks.

People can simulate a digital picture of an object to their screens to see how it will look like in their real-life surroundings.

3D printing technology

3D printer
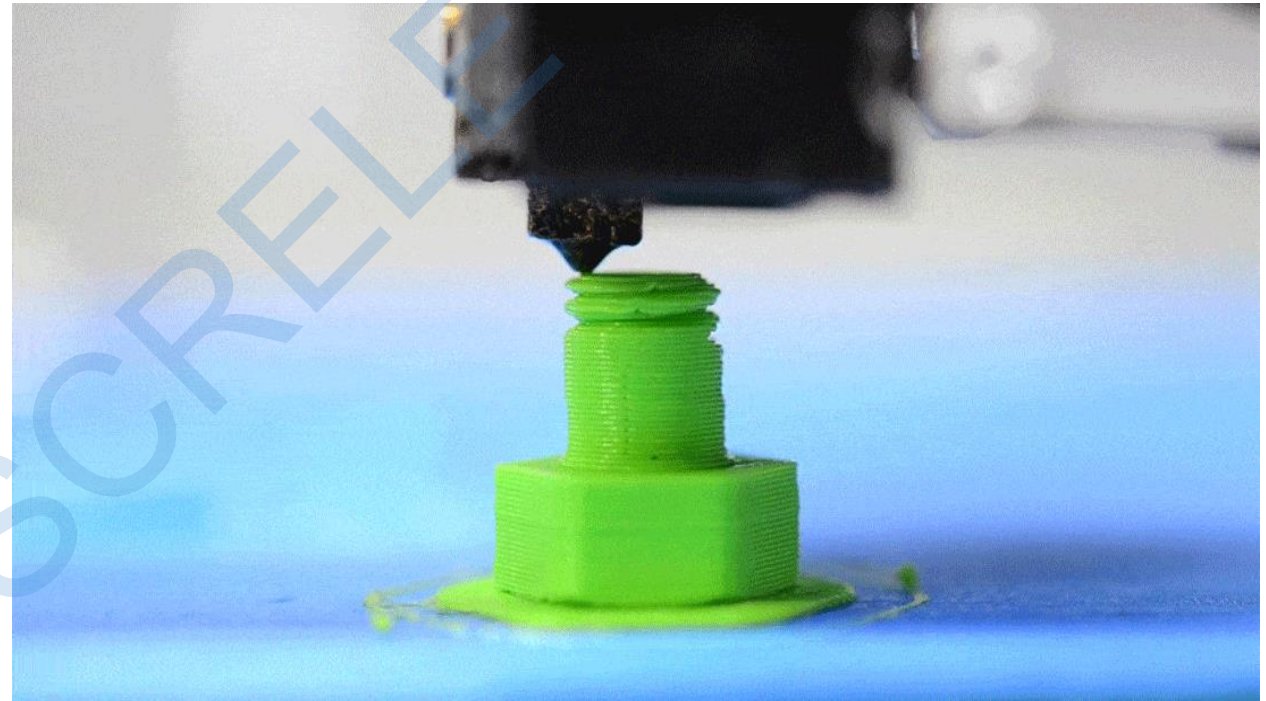
new technology trends

- **5G Networks**

- **3D printing technology**

- **augmented reality（AR）**

- **artificial intelligence（AI）**

People can use it to create everything from food to fashion to actual human body parts.

It offers much faster and more reliable internet connections to smartphones and other devices.

It makes it possible for machines to learn from experience and perform human-like tasks.

People can simulate a digital picture of an object to their screens to see how it will look like in their real-life surroundings.
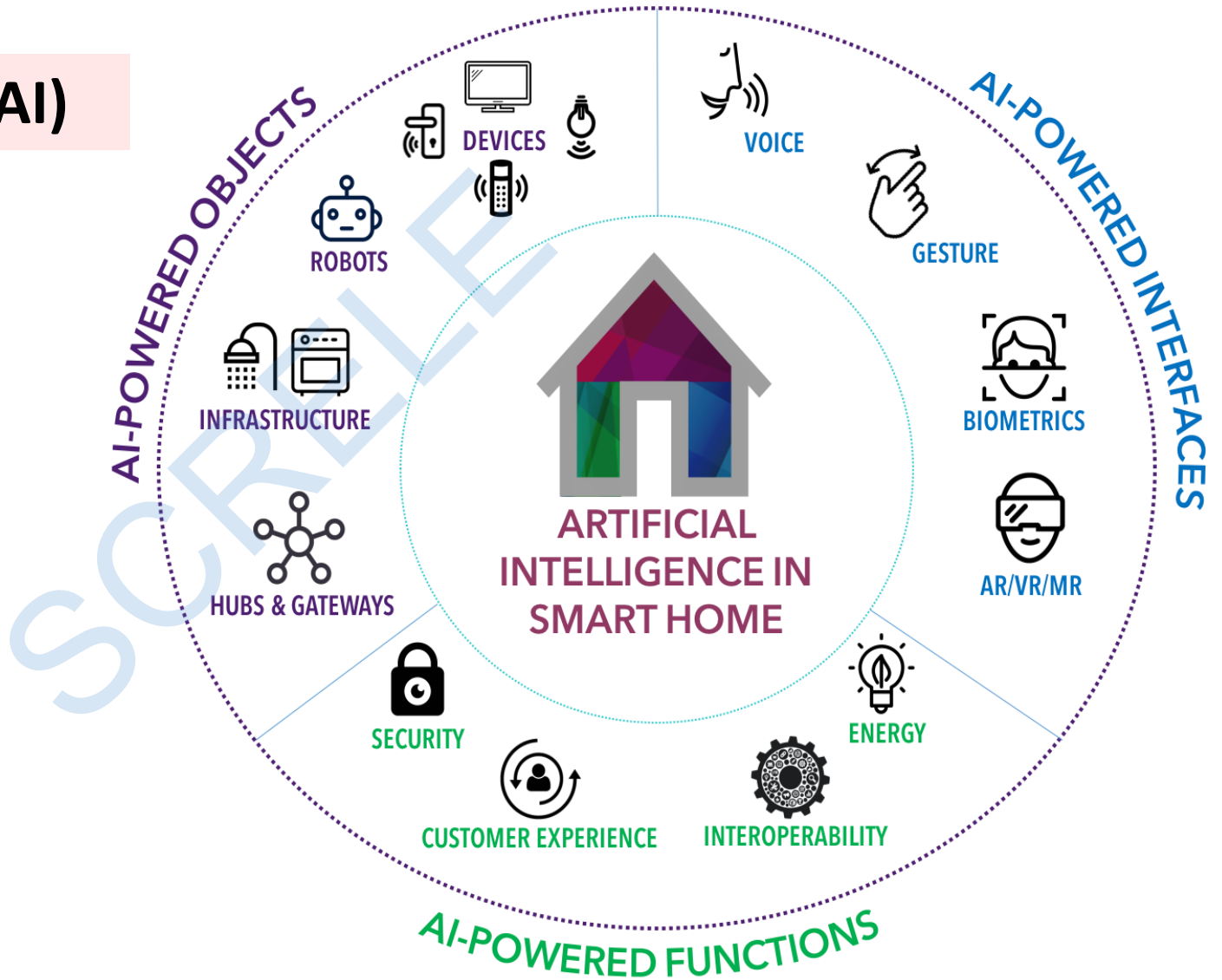
new technology trends

- **5G Networks**

- **3D printing technology**

- **augmented reality（AR）**

- **artificial intelligence（AI）**

People can use it to create everything from food to fashion to actual human body parts.

It offers much faster and more reliable internet connections to smartphones and other devices.

It makes it possible for machines to learn from experience and perform human-like tasks.

People can simulate a digital picture of an object to their screens to see how it will look like in their real-life surroundings.

artificial intelligence (AI)

AI-POWERED OBJECTS

DEVICES

ROBOTS

INFRASTRUCTURE

HUBS & GATEWAYS

ARTIFICIAL INTELLIGENCE IN SMART HOME

VOICE

GESTURE

AI-POWERED INTERFACES

BIOMETRICS

AR/VR/MR

SECURITY

CUSTOMER EXPERIENCE

INTEROPERABILITY

ENERGY

AI-POWERED FUNCTIONS

new technology trends

- **5G Networks**

- **3D printing technology**

- **augmented reality（AR）**

- **artificial intelligence（AI）**

People can use it to create everything from food to fashion to actual human body parts.

It offers much faster and more reliable internet connections to smartphones and other devices.

It makes it possible for machines to learn from Experience and perform human-like tasks.

People can simulate a digital picture of an object to their screens to see how it will look like in their real-life surroundings.

augmented reality (AR)

Design your smart home!

- Write in the first person.

- Use short and simple sentences.

- Include vivid details.

My smart home (I)

It's 7 in the morning and my AI assistant comes in to wake me up. As soon as I step into the bathroom, the warm light is already on. The smart mirror analyzes my skin and suggests the right facial cream.

In my kitchen, the 3D food printer helps create all types of food that I like. Housework is no big deal, because my AI assistant will take over all the household chores.

My smart home (II)

I don't need keys any more because my door has smart cameras installed that recognize my face. My AI assistant oversees the security of my home all the time so I may feel safe and secure.

After an exhausting day at work, I can relax on the couch and watch a movie on the smart wallpaper. If I feel more like action, I can put on my VR glasses and meet friends in a breathtaking 3D world and experience adventures with them.

Assignments

1. Write a short passage introducing your design to your classmates.
2. Finish Section B on page 54 in your workbook.