**3. VOCABULARY 1 PRACTICE**

"Smart" homes may not be as common as smartphones, but around the world, designers and engineers have been working on adding high-tech features to houses. These features include temperature controls and security systems that respond to a command sent from a phone, and voice-activated systems that obey when you tell them to turn off the lights. Some smart homes will call you (or the police or the fire department) if a problem occurs while you are away. And manufacturers are building refrigerators and ovens that you can check on and control from your phone. These systems are very complex, so one major obstacle to the success of smart homes is that controlling them can be confusing.  
     An important benefit of the smart home, besides convenience to the owner, is that it can be very energy-efficient. Lights, heat and air conditioning turn on only when needed. But one limitation to the “intelligence” of the home is that different people have different levels of comfort. One person might feel cold while another is hot, or other factors might affect how cold or hot an individual feels. Homes will truly be intelligent when they are smart enough to sense how people feel without receiving a command.

**4. CRITICAL THINKING VIDEO Identifying advantages and disadvantages**

1. the positive points of something
2. the negative points of something
3. flexibility
4. need for self-discipline
5. learning another language
6. feeling lonely
7. you can learn more about yourself
8. you can get confused by the large amount of information

**5. READING COMPREHENSION The Superbus**

1. high-tech bus
2. can travel between cities and inside cities
3. on a special high-speed highway
4. about 43 cm off the ground
5. one battery
6. are easy to replace
7. expensive and modern
8. can be arranged in different ways

**6. READING SKILL Taking notes**

1. Superbus → high-tech bus being developed by Wuboo Ockels
2. high speed → 250 kph between cities; like a normal bus within cities
3. battery powered → goes 200 km on easy-to-change battery
4. luxurious look → 15 meters long, 8 doors, can rearrange interior
5. out in the near future → interest from Dubai, Abu Dhabi, the Netherlands

**8. VOCABULARY 2 PRACTICE**

1. adapt
2. interactive
3. monitors
4. discover
5. global
6. in favor of
7. revolutionized
8. digital
9. reliable
10. feedback

**9. VOCABULARY SKILL Synonyms**

1. agree with
2. problem
3. argue about
4. place
5. usually
6. unnecessary
7. handler
8. freedom
9. create
10. follow

**10. WRITING SKILL Writing a summary and a personal response**

1. Summary 1
2. Summary 2
3. Summary 2
4. Summary 1
5. Summary 2

**11. GRAMMAR Parallel structure (1)**

1. businesses
2. increase the number of customers
3. for convenience
4. manufacturing
5. print receipts
6. portable
7. more powerful
8. at work

**12. GRAMMAR Parallel structure (2)**

|  |  |
| --- | --- |
| **Parallel Structure** | **Not Parallel Structure** |
| * Many children use computers at home and at school. * My science test and my math test are both on the same day. * Her grandmother is very wise and very kind. * He does not remember or care about his old computer. | * Her friends were friendly, talkative, and they told jokes. * Everyone came to the party, including Ted, Nick, and Joe was there, too. * He prefers a large university but a small school is her preference. * The children were completely tired and they were not at all happy. |

**16. TRACK YOUR SUCCESS Vocabulary review**

|  |  |  |
| --- | --- | --- |
| **Nouns** | **Verbs** | **Adjectives** |
| * feedback * data * limitation * obstacle * manufacturer | * discover * adapt * monitor * respond * obey * occur | * digital * global * interactive * reliable |