UNIT 1 Strange & Unusual

Reading 1 Ghost Detectives

VOCABULARY PREVIEW

1. c
2. d
3. f
4. b
5. a
6. e

GUIDING QUESTIONS

Q1: **Underline three possible signs of a ghost.**
→ (1) a voice in an empty room (2) a sudden coldness in the air (3) a strange smell

Q2: **Why doesn't Kaczmarek share details with his team right away?**
→ To keep the investigation objective/reliable; because they might imagine something that wasn't there.

Q3: **Why have several horses and their riders been killed on 95th Street in Chicago?**
→ It's a busy street near some stables, and people riding the horses have to cross it.

READING COMPREHENSION

A. True or False

1. F
2. F
3. T
4. F
5. F

B. Multiple Choice

1. b
2. d
3. c
4. c

C. Ordering

1. c
2. a
3. e
4. d
5. b

SUMMARY

1. to investigate
2. scientific process
3. to be objective
4. imagine seeing
5. follow a trail
6. improve the reputation

VOCABULARY PRACTICE

1. initiate
2. bizarre
3. preliminary
4. published
5. expertise
6. client(s)

SUPPLEMENTAL READING

1. thirteen times
2. dark bathrooms
3. Catholic girls' school

Extension: Talk or Write About It

Sample answer: In Korea, there is a scary story about a woman called "Red Mask Lady" or "Slit-Mouthed Woman." She wears a mask to hide a big scar on her face, and she walks around asking people if she's pretty. The story also says that she chases children and tries to kill them. I'm sure she does not exist—it's just a scary story that people tell for entertainment. I think the story originally came from Japan.

Reading 2 The Laughter Epidemic

VOCABULARY PREVIEW

1. e
2. c
3. b
4. f
5. d
6. a

GUIDING QUESTIONS

Q1: **Underline the dates when the laughter started and when the school closed.**
→ (1) (the laughter started) January 30, 1962 (2) (the school closed) March 18

Q2: **What age groups were affected by the epidemic?**
→ Children and young adults only were affected by the epidemic.

Q3: **What does "MPI" stand for?**
→ Most experts who have studied the incident call it a case of mass hysteria, or Mass Psychogenic Illness (MPI).

READING COMPREHENSION

A. True or False

1. T
2. F
3. T
4. F
5. F

B. Multiple Choice

1. c
2. b
3. a
4. a

C. Short Writing

Sample answers:

1. Other symptoms included crying, fainting, and skin rashes.
2. The victims may have been under stress because of academic pressures and big changes due to Tanzania's independence.

SUMMARY

1. a boarding school
2. half the students
3. not continuous
4. having fun
5. over 1,000 people
6. not fully understood

VOCABULARY PRACTICE

1. respiratory
2. incredibly
3. physician
4. epidemic
5. infectious
6. immune

SUPPLEMENTAL READING

1. heart attacks
2. more dancing / to dance more
3. trance state

Extension: Talk or Write About It

Sample answer: A few years ago, there were riots in London in which normally well-behaved kids destroyed property and stole things. People seem to act differently when in a large group than when they are on their own. If a lot of other people are doing something, it doesn't seem so bad.

UNIT 2 Computers & Technology

Reading 1 The Evolution of Music Media

VOCABULARY PREVIEW

1. f
2. e
3. c
4. a
5. b
6. d

GUIDING QUESTIONS

Q1: **Why were the most common type of vinyl records called "LPs"?**
→ "LP" stands for "long play." They were the first records that could continuously play twenty minutes or more of music.

Q2: **Underline one reason why CDs did not immediately replace other music media.**
→ fairly expensive at first

READING COMPREHENSION

A. True or False

1. F
2. T
3. T
4. T
5. F

B. Multiple Choice

1. c
2. a
3. a
4. c

C. Fill in the Blanks

1. record players / turntables
2. CDs
3. expensive

SUMMARY

1. more convenient
2. for decades
3. Made music portable
4. by 2007
5. buy music online
6. Streaming services

VOCABULARY PRACTICE

1. compact
2. dominant
3. revolutionary
4. superior
5. swap
6. medium

SUPPLEMENTAL READING

1. piracy
2. record companies
3. harder

Extension: Talk or Write About It

Sample answer: My favorite way to get and listen to music is downloading MP3 files and playing them on my phone. It's great because you can buy and download a song anytime, anywhere.

Reading 2 Hackers and Crackers

VOCABULARY PREVIEW

1. b
2. d
3. f
4. c
5. a
6. e

GUIDING QUESTIONS

Q1: **What was the original meaning of "hack"?**
→ The word "hack" was already in use at MIT to describe student pranks—very creative tricks or jokes.

Q2: **What do hackers do when they find weaknesses in a system?**
→ They always notify the administrator of the system so that the weakness can be fixed.

Q3: **Underline two programs that hackers developed or helped develop.**
→ (1) Mozilla Firefox (2) Linux operating system

READING COMPREHENSION

A. True or False

1. F
2. F
3. F
4. T
5. T

B. Multiple Choice

1. c
2. c
3. a
4. d

C. Fill in the Blanks

1. pranks
2. computer manuals
3. unethical

SUMMARY

1, 3, 4

VOCABULARY PRACTICE

1. manual
2. probe
3. connotation
4. ethical
5. noble
6. exploit

SUPPLEMENTAL READING

1. electrical device
2. personal data
3. change other programs

Extension: Talk or Write About It

Sample answer: I don't think it's safe to share a lot of photos and other personal information online. There are a lot of very skillful crackers, and they probably can break into any system. Recently, the data of thousands of US government employees was stolen this way. I think people should be very careful about what they put on the internet.

UNIT 3 Health & Medicine

Reading 1 Healthy Body Images

VOCABULARY PREVIEW

1. a
2. e
3. f
4. c
5. b
6. d

GUIDING QUESTIONS

Q1: **Underline the unrealistic belief that many people with a negative body image have.**
→ a surgical procedure can solve their problems

Q2: **What are three positive effects of exercise?**
→ Exercise can bring about a transformation in body shape, make people feel more energetic, and relieve stress.

READING COMPREHENSION

A. True or False

1. F
2. F
3. T
4. T
5. F

B. Multiple Choice

1. d
2. b
3. d
4. d

C. Short Writing

Sample answer:

1. It is often ineffective because the real reason for the negative body image is psychological.
2. The person returns to his/her normal eating habits and gains the weight back immediately.

SUMMARY

2, 4, 5

VOCABULARY PRACTICE

1. realistic
2. undermine
3. surgical
4. lifestyle
5. physically
6. afterward

SUPPLEMENTAL READING

1. Photoshop
2. thin models
3. men and women

Extension: Talk or Write About It

Sample answer: There is an ad for a health club that shows a married couple working out. The woman ignores her husband and stares at another man who's in much better shape. It's meant to be funny, but I'm sure it makes lot of men feel bad about their bodies. TV shows and movies also tend to show unrealistically thin and good-looking people, and that can also make people feel bad about how they look.

Reading 2 Pollution in Our Bodies

VOCABULARY PREVIEW

1. d
2. f
3. a
4. c
5. b
6. e

GUIDING QUESTIONS

Q1: **How many cancer-causing chemicals were found in the average person's body?**
→ A study from 2003 found that people had an average of **53** cancer-causing chemicals in their bodies.

Q2: **What do cosmetics companies and public health groups disagree about?**
→ b

READING COMPREHENSION

A. True or False

1. T
2. F
3. F
4. T
5. F

B. Multiple Choice

1. b
2. b
3. d
4. c

C. Fill in the Blanks

1. animals
2. Choline
3. phthalates

SUMMARY

1. heart disease risk
2. hurt the brain
3. absorption of choline
4. harm growth
5. contain phthalates
6. Public health groups

VOCABULARY PRACTICE

1. absorption
2. minimize
3. nutrient
4. erase
5. commonly
6. nonetheless

SUPPLEMENTAL READING

1. their children ate
2. non-organic produce
3. cost more

Extension: Talk or Write About It

Sample answer: To protect their bodies from pollution, people should try to eat natural, organic foods. They should also read the labels on the shampoo, toothpaste, and other products they use.

UNIT 4 Social Issues

Reading 1 Crossing Borders, Breaking the Law

VOCABULARY PREVIEW

1. f
2. d
3. a
4. e
5. c
6. b

GUIDING QUESTIONS

Q1: **What are two reasons people enter the EU illegally?**
→ Part of the increase is due to conflicts in the migrants' home countries. However, the main reasons are economic.

Q2: **Underline three ways to handle illegal immigration.**
→ (1) prevention of illegal immigration (2) punishment for those who profit from it (3) the return of illegal immigrants to their home countries.

Q3: **Who should be punished besides unauthorized immigrants?**
→ Punishment should focus more on the smugglers and dishonest employers.

READING COMPREHENSION

A. True or False

1. F
2. F
3. T
4. T
5. F

B. Multiple Choice

1. a
2. c
3. b
4. d

C. Fill the Blanks

1. conflict
2. good jobs
3. risks

SUMMARY

1. richer countries
2. US and the EU
3. illegal immigration
4. teaching people
5. smugglers and employers
6. do so safely

VOCABULARY PRACTICE

1. volition
2. migrate
3. sensible
4. punishment
5. tricky
6. inclined

SUPPLEMENTAL READING

1. 20th century
2. Freedom of movement
3. criminals, terrorists

Extension: Talk or Write About It

Sample answer: I would consider it. It would be risky, but I think people should have the right to live and work wherever they want to.

Reading 2 The Glass Ceiling

VOCABULARY PREVIEW

1. e
2. d
3. a
4. b
5. f
6. c

GUIDING QUESTIONS

Q1: **What qualities do managers look for in leaders?**
→ Most high-level managers think aggressiveness and competitiveness are positive traits for leaders.

Q2: **What trend might help working mothers?**
→ The trend toward companies giving more paid time off to both new mothers and new fathers might help correct this inequality.

READING COMPREHENSION

A. True or False

1. T
2. F
3. F
4. T
5. T

B. Multiple Choice

1. a
2. c
3. b
4. d

C. Short Writing

Sample answer:

1. It is *Fortune* magazine's list of 500 of the biggest companies in the world.
2. Two goals most people agree on are equal opportunity and more diverse business leadership.

SUMMARY

1. 500 biggest
2. good for leaders
3. were most successful
4. mothers' time
5. part-time jobs
6. More female CEOs

VOCABULARY PRACTICE

1. inequality
2. inhibit
3. deliberately
4. diverse
5. interrupt
6. trait

SUPPLEMENTAL READING

1. prime minister
2. Chandrika Kumaratunga
3. intelligence and talents

Extension: Talk or Write About It

Sample answer: I think men are more often encouraged than women to go after leadership positions in business and government. I do think that someday there will be equal numbers of men and women in top jobs because the number of women in these jobs is steadily rising.

UNIT 5 Environmental Issues

Reading 1 Living Near Volcanoes

VOCABULARY PREVIEW

1. c
2. e
3. d
4. f
5. a
6. b

GUIDING QUESTIONS

Q1: **Underline three reasons why people live near volcanoes.**
→ (1) because the volcano is beautiful (2) because a large city already exists there (3) because the land provides farmers with good harvests.

Q2: **How do people living near Mt. Etna feel about the volcano?**
→ They are generally proud to be living near such a famous volcano. Sicilians call Etna a "good mountain."

READING COMPREHENSION

A. True or False

1. F
2. F
3. T
4. T
5. F

B. Multiple Choice

1. b
2. b
3. a
4. d

C. Short Writing

Sample answer:
1. People had returned and were living and working there again.
2. They are calm and beautiful to watch.

SUMMARY

1. Beautiful scenery
2. with jobs
3. don't usually worry
4. in the Philippines
5. in Sicily
6. no safe volcanoes

VOCABULARY PRACTICE

1. kilometers
2. fertility
3. radius
4. aesthetic
5. harvest
6. logical

SUPPLEMENTAL READING

1. minerals
2. their health
3. relaxation

Extension: Talk or Write About It

Sample answer: There are a lot of hot springs in my country, Korea, and they are popular with people who want to rest and improve their health. My country is also known for its mountains and for Jeju-do, which is a volcanic island.

Reading 2 Water Rights, Water Fights

VOCABULARY PREVIEW

1. f
2. a
3. b
4. e
5. c
6. d

GUIDING QUESTIONS

Q1: **Underline the names of three rivers that people use for water.**
→ (1) The Colorado (2)Nile (3)Yangtze Rivers

Q2: **Why did the citizens of Cochabamba get angry?**
→ In the Bolivian town of Cochabamba, the government gave a forty-year contract to a single water company. Shortly after receiving the monopoly, the company raised water prices drastically. Local citizens revolted.

Q3: **Underline the definition of "aquifers."**
→ Aquifers are large areas of stone underground which hold and filter water.

READING COMPREHENSION

A. True or False

1. T
2. F
3. F
4. T
5. F

B. Multiple Choice

1. b
2. a
3. d
4. c

C. Fill in the Blanks

1. 2050
2. 9 billion
3. 170

SUMMARY

1. how precious
2. global water shortage
3. for drinking
4. Climate change
5. make a profit
6. to protect

VOCABULARY PRACTICE

1. pesticides
2. drain
3. acute
4. commodity
5. monopoly
6. swell

SUPPLEMENTAL READING

1. healthy
2. Forty percent
3. purified

Extension: Talk or Write About It

Sample answer: I don't drink bottled water because I think it's wasteful and unnecessary. The water that comes from the taps in my home is fine. Another disadvantage of bottled water is the way the bottles pollute the environment. Many of the bottles contain harsh chemicals that can be bad for you.

UNIT 6 Law & Crime

Reading 1 Bans on Smoking

VOCABULARY PREVIEW

1. e
2. c
3. f
4. b
5. a
6. d

GUIDING QUESTIONS

Q1: **Why was an Irish politician fired from the cabinet in 2004?**
→ He violated the new smoking ban by lighting up in a bar near the Irish Parliament.

Q2: **Which is true, according to this paragraph?**
→ b

READING COMPREHENSION

A. True or False

1. T
2. F
3. T
4. F
5. F

B. Multiple Choice

1. d
2. c
3. b
4. a

C. Fill in the Blanks

1. thirty
2. 300 million
3. 3,000

SUMMARY

1. health risks
2. deaths caused by
3. the world's smokers
4. of the population
5. indoor public smoking
6. higher tobacco prices

VOCABULARY PRACTICE

1. observer
2. straightforward
3. authorities
4. objection
5. influential
6. strictly

SUPPLEMENTAL READING

1. propylene glycol
2. (secondhand) smoke
3. e-liquids

Extension: Talk or Write About It

Sample answer: I don't think the government should ban smoking except for children. Adults and business owners should be able to make that decision themselves. I also think vaping is much safer than smoking real cigarettes, so it should not be treated the same under the law.

Reading 2 Victimless Crimes

VOCABULARY PREVIEW

1. d
2. b
3. a
4. f
5. e
6. c

GUIDING QUESTIONS

Q1: **Why do many people support laws against selling alcohol to kids?**
→They say that if we do not control alcohol sales, even young children could obtain alcohol.

Q2: **How do victimless crimes cost governments time and money?**
→ Governments waste time and money by catching these "criminals," taking them to court, and then putting them in jail.

READING COMPREHENSION

A. True or False

1. T
2. T
3. T
4. F
5. F

B. Multiple Choice

1. a
2. d
3. b
4. b

C. Short Writing

Sample answer:
1. Three examples are using drugs, watching pornography, and gambling.
2. According to one author, eighty-six percent of people in federal US prisons are there for victimless crimes.

SUMMARY

1. directly harmed
2. protect society
3. commit other crimes
4. moral standards
5. time and money
6. Seat belt laws

VOCABULARY PRACTICE

1. clarify
2. purely
3. liable
4. legitimate
5. norms
6. indirect

SUPPLEMENTAL READING

1. lost
2. be arrested
3. refuse to obey

Extension: Talk or Write About It

Sample answer: Some victimless crimes, such as gambling, should be legal. People can only harm themselves by gambling, and it is not the government's responsibility to stop them. Also, the government would save a lot of money if it didn't have to enforce laws against gambling.

UNIT 7 Language & Literature

Reading 1	Steve Jobs's Commencement Address at Stanford University

VOCABULARY PREVIEW

1. c
2. e
3. b
4. a
5. f
6. d

GUIDING QUESTIONS

Q1: **Why did Jobs's biological mother refuse to sign the adoption papers at first?**
→ Because Jobs's adoptive mother hadn't graduated from college, and his father hadn't graduated from high school.

Q2: **How might computers be different today if Jobs hadn't taken calligraphy?**
→ They probably would not have different typefaces and proportionally spaced fonts.

READING COMPREHENSION

A. True or False

1. F
2. F
3. T
4. T
5. F

B. Multiple Choice

1. a
2. d
3. c
4. c

C. Short Writing

Sample answer:
1. He says that while it was scary, it was one of the best decisions he ever made.
2. It was the first computer to have beautiful typography. / It was the first computer to have multiple typefaces and proportionally spaced fonts.

SUMMARY

1. finish their education
2. go to college
3. High tuition
4. typography
5. various fonts
6. Follow your heart

VOCABULARY PRACTICE

1. artistic
2. instinct
3. subtle
4. gut
5. semester
6. pathway

SUPPLEMENTAL READING

1. Bill Gates
2. college graduates
3. college degrees

Extension: Talk or Write About It

Sample answer: I agree with Bill Gates that college provides many advantages in life. However, it sometimes makes sense to drop out. For example, if you decide that you want to be a car mechanic or do some other skilled trade, you don't really need college.

Reading 2 "The Premature Burial" by Edgar Allan Poe

VOCABULARY PREVIEW

1. d
2. e
3. f
4. b
5. a
6. c

GUIDING QUESTIONS

Q1: **How did the woman get out of her coffin?**
→ She woke up and tried to escape, causing the coffin to fall and break open.

Q2: **Which is true of Victorine's husband?**
→ a

READING COMPREHENSION

A. True or False

1. T
2. T
3. T
4. F
5. T

B. Multiple Choice

1. c
2. b
3. a
4. c

C. Ordering

1. d
2. e
3. a
4. c
5. b

SUMMARY

2, 4, 5

VOCABULARY PRACTICE

1. pronounce
2. terribly
3. decay
4. diagnosis
5. vague
6. shortly

SUPPLEMENTAL READING

1. medical technology
2. Catalepsy
3. scratch marks

Extension: Talk or Write About It

Sample answer: I wouldn't want to watch a movie about premature burials—I don't like scary movies! I find them disturbing. But I guess that some people enjoy the thrill of being scared when there isn't any real danger.

UNIT 8 Space & Exploration

Reading 1 Spin-Offs from Space

VOCABULARY PREVIEW

1. b
2. d
3. a
4. c
5. f
6. e

GUIDING QUESTIONS

Q1: **Underline two items people wear that use spin-off technology.**
→ (1) eyeglasses (2) athletic shoes

Q2: **What spin-off helps people in developing countries?**
→ NASA's process for getting drinkable water from astronauts' breath, sweat, and urine.

READING COMPREHENSION

A. True or False

1. T
2. F
3. T
4. F
5. F

B. Multiple Choice

1. c
2. b
3. a
4. d

C. Short Writing

Sample answer:
1. Robotic arms invented to repair the space station make surgery simpler and safer.
2. Astronauts use a process which can turn their breath, sweat, and urine into drinkable water.

SUMMARY

1. Products developed
2. Scratch-resistant glass
3. athletic shoes
4. for athletes
5. Saving energy
6. beeswax and bacteria

VOCABULARY PRACTICE

1. utilize
2. crystal
3. outer
4. ecological
5. lab
6. bacteria

SUPPLEMENTAL READING

1. speech recognition
2. Isaac Asimov
3. space suits

Extension: Talk or Write About It

Sample answer: I wear shock-absorbing athletic shoes all the time, and I use a smartphone and calculator. I think we will do more and more things over the internet in the future—for example, in "smart homes," where lighting, heating, and appliances can all be controlled with a phone or tablet.

Reading 2 A New Space Race

VOCABULARY PREVIEW

1. f
2. e
3. a
4. d
5. b
6. c

GUIDING QUESTIONS

Q1: **How is the new space race different from the old one?**
→ The new space race is not political or nationalistic but about commercial space travel.

Q2: **Underline why Lindbergh received the Orteig Prize.**
→ In 1927, he won the $25,000 Orteig Prize for making the first solo flight across the Atlantic Ocean

Q3: **What can be inferred from this paragraph?**
→ a

READING COMPREHENSION

A. True or False

1. F
2. T
3. F
4. F
5. F

B. Multiple Choice

1. c
2. a
3. c
4. d

C. Short Writing

Sample answer:
1. Melvill was the first person to pilot a spacecraft for a private company.
2. In order to win, a team had to send three people into space in the same vehicle twice within two weeks.

SUMMARY

1. a political
2. space tourist
3. astronaut piloted
4. private space companies
5. days of aviation
6. many businesspeople

VOCABULARY PRACTICE

1. sphere
2. donor
3. thereby
4. nationalism
5. replicate
6. assignment

SUPPLEMENTAL READING

1. god of war
2. (a chunk of) ice
3. life / living things

Extension: Talk or Write About It

Sample answer: I do think sending people to Mars is a worthwhile goal, because humans are polluting and destroying the Earth, and we might need a new place to live someday. It will probably happen far in the future and will be done mostly by private companies working together.

UNIT 9 Sports & Fitness

Reading 1 Yoga and Pilates

VOCABULARY PREVIEW

1. d
2. a
3. b
4. f
5. c
6. e

GUIDING QUESTIONS

Q1: **Underline three fitness fads that came before yoga and Pilates.**
→ (1) bodybuilding (2) jogging and running (3) cross-training

Q2: **Why is yoga or Pilates not enough exercise by itself?**
→ Because neither type of exercise works the heart and lungs enough.

READING COMPREHENSION

A. True or False

1. T
2. F
3. F
4. F
5. T

B. Multiple Choice

1. c
2. a
3. d
4. c

C. Short Writing

Sample answer:
1. Cross-training is doing two different exercises that use different muscle groups in an attempt to work the whole body.
2. Joseph Pilates was a German man who developed Pilates in the 1920s.

SUMMARY

Yoga	Pilates	Both	Neither
4	3	1, 5, 6	2

VOCABULARY PRACTICE

1. optimal
2. sufficiently
3. simultaneously
4. fusion
5. novices
6. practitioner

SUPPLEMENTAL READING

1. weak and sickly
2. the United States
3. drinking (whisky)

Extension: Talk or Write About It

Sample answer: Yes, I do yoga and I really enjoy it. It relaxes me as well as helps me stay strong and flexible.

Reading 2 The Future of Sports

VOCABULARY PREVIEW

1. d
2. e
3. a
4. c
5. f
6. b

GUIDING QUESTIONS

Q1: **Why do some people believe esports cannot be considered genuine sports?**
→ They believe that esports do not require athleticism like genuine sports.

Q2: **Underline two examples of the physical effects of playing esports.**
→ (1) esports players' level of cortisol (the hormone linked to stress) can rise as high as a Formula 1 driver's (2) heart rates can reach speeds of 160 to 180 beats per minute

Q3: **How do esports teams practice playing under pressure?**
→ They simulate real events, with loud music, cheering fans, and blinding lights.

READING COMPREHENSION

A. True or False

1. T
2. F
3. F
4. T
5. T

B. Multiple Choice

1. d
2. b
3. c
4. b

C. Fill in the Blanks

1. sponsors
2. cortisol
3. performances

SUMMARY

1. physical abilities
2. similar to games
3. traditional sports
4. hand-eye coordination
5. elevated heart rate
6. training regimes

VOCABULARY PRACTICE

1. athletic
2. controversy
3. strategic
4. regime
5. chess
6. simulating

SUPPLEMENTAL READING

1. motorsports
2. practical alternative
3. conditions

Extension: Talk or Write About It

Sample answer: You can play soccer both as an esport and as a physical sport. You can play with people from all over the world, and you can play at any time of day. However, there are also a few cons. You do not exercise your body when you play esports. Also staying inside all day can be bad for your mental health.

UNIT 10 People & Opinions

Reading 1 The Architecture of Wright

VOCABULARY PREVIEW

1. d
2. b
3. f
4. e
5. a
6. c

GUIDING QUESTIONS

Q1: **What is this paragraph mainly about?**
→ b

Q2: **Why was Wright proud of Fallingwater?**
→ Because it seems to be part of the natural environment.

READING COMPREHENSION

A. True or False

1. F
2. F
3. F
4. T
5. T

B. Multiple Choice

1. d
2. b
3. a
4. c

C. Fill in the Blanks

1. organic architecture
2. Fallingwater
3. view (the) art

SUMMARY

1. form follows function
2. natural materials
3. in harmony with
4. very proud of it
5. after Wright's death
6. round shape

VOCABULARY PRACTICE

1. unity
2. architect
3. merge
4. mentor
5. stance
6. integration

SUPPLEMENTAL READING

1. his home
2. the land
1. Taliesin West

Extension: Talk or Write About It

Sample answer: In addition to providing a comfortable place for people, a building should be pleasant to look at both on the inside and the outside. Architects should also consider the environment when designing a building so that it is energy-efficient. My dream house would have a large balcony and a pool because I enjoy being outside.

Reading 2 Streaming Services: Helpful or Harmful?

VOCABULARY PREVIEW

1. b
2. c
3. f
4. d
5. e
6. a

GUIDING QUESTIONS

Q1: **Why do most people like using streaming services?**
→ They are convenient.

Q2: **Underline two examples of pseudoscience.**
→ (1) energy healing (2) medical mediums

Q3: **Underline two examples of tools used by platforms to direct viewers to certain content.**
→ (1) targeted advertising (2) curation

READING COMPREHENSION

A. True or False

1. F
2. T
3. F
4. F
5. T

B. Multiple Choice

1. c
2. d
3. b
4. c

C. Fill in the Blanks

1. targeted advertising
2. alternative
3. common ground

SUMMARY

1, 3, 4

VOCABULARY PRACTICE

1. facilitate
2. meaningful
3. availability
4. reinforce
5. fringe
6. anti-

SUPPLEMENTAL READING

1. documentaries
2. viewer
3. public awareness

Extension: Talk or Write About It

Sample answer: I like streaming services because I can watch content that I find interesting anytime and anywhere I want. However, I think people spend less time enjoying things together because of streaming apps. Most people spend a lot of time watching things on their phones, even when they are with family or friends.

UNIT 11 Cross-Cultural Viewpoints

Reading 1 Approaches to Education

VOCABULARY PREVIEW

1. e
2. b
3. a
4. f
5. d
6. c

GUIDING QUESTIONS

Q1: **What is a typical class in Singapore like?**
→ Teachers act as lecturers and students are expected to listen carefully and take notes.

Q2: **Which is true about schools in Finland?**
→ b

Q3: **Underline one criticism of Singaporean schools and one criticism of Finnish schools.**
→ (1) Constant competition and long hours can be very hard on young Singaporeans, who often suffer from stress and fatigue. (2) Without regular testing, there are concerns that some schools may not be performing as well as others.

READING COMPREHENSION

A. True or False

1. F
2. F
3. F
4. T
5. T

B. Multiple Choice

1. c
2. d
3. c
4. b

C. Fill in the Blanks

1. elite universities
2. mentors
3. student-focused

SUMMARY

1. lecture-style lessons
2. private tutors
3. successful careers
4. involve group work
5. according to their
6. stressful and competitive

VOCABULARY PRACTICE

1. fatigue
2. lecturer
3. tutor
4. elite
5. correctly
6. informal

SUPPLEMENTAL READING

1. health, development
2. confident, independent
3. academic performance

Extension: Talk or Write About It

Sample answer: I prefer lecture-style lessons because I can listen and learn from my teacher without being distracted by other students. I think regular examinations are useful because they help teachers check that students are doing well and then help them fix any difficulties they are having.

Reading 2 Responding to Declining Populations

VOCABULARY PREVIEW

1. b
2. a
3. f
4. d
5. c
6. e

GUIDING QUESTIONS

Q1: **Underline two potential reasons for lower birth rates.**
→ (1) improvements in women's education (2) access to contraception

Q2: **Why is Iran's response different from Germany's and Hungary's?**
→ Because of poverty caused by a lack of international trade

READING COMPREHENSION

A. True or False

1. F
2. F
3. T
4. F
5. T

B. Multiple Choice

1. b
2. b
3. d
4. d

C. Fill in the Blanks

1. 2.1
2. twenty-one
3. 1.2

SUMMARY

1. declining populations
2. aging population
3. four or more children
4. car payments
5. economy and environment
6. richer and better

VOCABULARY PRACTICE

1. compensated
2. partially
3. economist
4. allocated
5. offspring
6. projection

SUPPLEMENTAL READING

1. immigration / immigrants
2. fertility rate
3. 800,000

Extension: Talk or Write About It

Sample answer: I think governments should try and encourage people to have more children. Children can help support their parents when they get old. More workers can also help countries become richer overall and help improve conditions for everyone.

UNIT 12 Business & Economics

Reading 1 The Gig Economy

VOCABULARY PREVIEW

1. d
2. a
3. c
4. b
5. f
6. e

GUIDING QUESTIONS

Q1: **Underline one important difference between big gig work and permanent, full-time work.**
→ Gig workers can independently choose what jobs they want to take.

Q2: **What change have companies noticed in recent years?**
→ a

Q3: **Why do gig workers not receive some government benefits?**
→ The government does not recognize gig workers as employees, so they cannot receive benefits if they become unemployed.

READING COMPREHENSION

A. True or False

1. T
2. F
3. T
4. T
5. F

B. Multiple Choice

1. c
2. b
3. c
4. a

C. Short Writing

Sample answer:
1. Businesses can take on more short-term projects, pay less tax, and reduce their overhead.
2. Gig workers do not qualify for many company and governmental benefits because they are considered self-employed.

SUMMARY

1. gives more flexibility
2. cheaper and more efficient
3. readily make money
4. not legally considered
5. company benefits
6. unemployment insurance

VOCABULARY PRACTICE

1. independently
2. flexibility
3. overhead
4. emergence
5. readily
6. critically

SUPPLEMENTAL READING

1. independent drivers
2. qualify, benefits
3. better payment

Extension: Talk or Write About It

Sample answer: I think overall, the positives of the gig economy outweigh the negatives. Workers can have more flexibility and business can reduce their overhead. There are many gig workers where I live. They do many different types of work, including things like food delivery and temporary office work.

Reading 2 Evolving Wallets

VOCABULARY PREVIEW

1. f
2. c
3. b
4. e
5. a
6. d

GUIDING QUESTIONS

Q1: **Which types of businesses have found it hard to keep up with e-commerce?**
→ Banks and stores struggled to keep pace with online retail.

Q2: **Find three types of biometric authentication.**
→ (1) fingerprint reading (2) face (3) voice recognition

Q3: **What effect has e-commerce had on shoppers' attitudes when in-store?**
→ b

READING COMPREHENSION

A. True or False

1. T
2. T
3. F
4. F
5. T

B. Multiple Choice

1. b
2. b
3. c
4. d

C. Short Writing

Sample answer:

1. They carry a small wireless device so customers can pay anywhere in the store.
2. They might worry how their data will be used.

SUMMARY

1. means of payment
2. contactless way
3. estimated to be
4. quick and secure
5. mobile POS technology
6. Face recognition

VOCABULARY PRACTICE

1. simplified
2. tech
3. estimations
4. axiom
5. clicks
6. resistant

SUPPLEMENTAL READING

1. e-commerce
2. cash
3. broadband cables

Extension: Talk or Write About It

Sample answer: Overall, I think the digital economy could be a bad thing. I'm worried about biometric identification and how my information will be used. I also think older people will find it difficult to adapt to new ways of paying. Unfortunately, I think in the future, most shops will probably require people to pay using biometric identification.