

The Q Classroom

Activity A, p. 50

Answers will vary. Possible answers:

1. I use technology every day. I use my phone and computer to keep in touch.
2. The man is using a cell phone. He is texting.

Activity B, p. 51

Students' opinions in 1 and answers to 2 will vary. Possible answers:

1. With her phone, Sophy can text and send pictures to her friends anytime. I think it definitely helps me keep in touch. I regularly use my cell phone, video chats, and emails to communicate with family, friends, and colleagues.
2. Yes. I know cell phones only became common within my lifetime, but I cannot imagine the world without them. I use mine for many tasks. For example, I check my e-mail, search the Internet for information, and use a lot of different apps.

PREVIEW THE UNIT

Activity A, iQ Online Resource

Answers will vary.

Activity B, iQ Online Resource

Answers will vary.

READING 1

PREVIEW THE READING

Activity A, p. 52

- to discuss advantages and disadvantages of driverless cars

Activity B, p. 52

Answers will vary. Possible answer:

I don't think I would be comfortable in a driverless car. When I'm in a car, I like to be the driver. I'm not sure I

would like having a car that didn't let me make the driving decisions.

Activity C, p. 52

Answers will vary.

WORK WITH THE READING

Activity B, p. 54

1. occur
2. obey
3. sense
4. data
5. manufacturer
6. respond
7. benefit
8. limitation
9. obstacle

Vocabulary Skill Review, p. 54

Circled: (1) cars, headlights, accidents, night, drivers, (2) police, drivers, speed limit, highways, drivers, ticket, (3) buildings, lights, people, room, (4) computer, accident, losing, work, data, (5) manufacturer, car, gasoline, electricity, customers, vehicles, fuel, (6) boss, emails, (7) benefit, driving, work, time, disadvantage, traffic, (8) membership, website, articles, limitation, information, paying, (9) sand, obstacle, desert, speed, direction, car
Underlined: (1) have, are, to occur, can't see, (2) expect, to obey, go, may get, (3) can sense, enter, turn on, (4) turns off, don't worry, is saved, (5) has decided, to build, runs, want, use, (6) expects, to respond, doesn't hear, gets, (7) is, saves, is, can get stuck, (8) don't pay, can't read, is ('s), can access, (9) is, makes, to control

Activity D, p. 55

- a. 4
- b. 1
- c. 3
- d. 5

e. 2

Activity E, p. 55

d. In the near future, driverless cars may change the way people drive.

Activity F, p. 56

1. 4; They can be lighter because they are less likely to crash.
3. 6; They have already driven over 200,000 miles accident-free.
4. 2; They use GPS, sensors, and cameras.
5. 5; They cannot anticipate the unexpected like humans can. They might not recognize the commands of police officers and may be too “polite” on the highway.

Activity G, p. 56

1. O
2. O
3. F
4. F
5. F
6. O
7. F
8. O

Activity H, p. 57

Answers may vary. Possible answers:

Advantages

1. They can help people stay safe. 4
2. They can warn people when there is a dangerous turn. 2
3. They can park themselves. 2
4. People can do other things safely. 4
5. They would use less fuel. 4

Disadvantages

1. They can't anticipate unexpected things like people can. 5
2. They might not recognize the commands of police officers. 5
3. They may be too “polite.” 5
4. Driving laws are written for human drivers, not robots. 5

5. It's not clear who's to blame for an accident. 5

WRITE WHAT YOU THINK

Activity A, B, p. 57

Answers will vary. Possible answers:

1. Car companies want to make driverless cars because they may be safer than human drivers. Drivers sometimes make bad decisions, but a driverless car would use accurate data to make the right decisions. Driverless cars might also save car manufacturers money because the cars wouldn't crash as often. Manufacturers could build lighter cars with fewer safety features. Car companies could make a lot of money if they could convince people to get rid of their old cars and buy new, expensive, driverless cars.
2. I would consider buying a driverless car. I would be able to do my homework during my commute. The car would drive safely even if I were very tired or not feeling well. I also like new technology, and it would be fun to be one of the first owners of a driverless car. However, it might be too expensive for me to buy.

READING SKILL

Activity A, p. 58

1. topics, main ideas, details, nouns, verbs
2. They are background information or very specific details.
3. It summarizes the main idea.
4. Main idea: Cars today already think for us. It's stated in the topic sentence and supported by the details.

READING 2

PREVIEW THE READING

Activity A, p. 59

- to prepare children for future jobs
- make schools more modern
- to make learning more challenging

Activity B, p. 59

Answers will vary. Possible answer:

I think computers can help children learn. Computers can make the subjects more interesting for students. For example, students can read about something and then watch a video about it. Also, on a computer, students can take as much time as they need to do something without slowing down other students.

Activity C, p. 59

Answers will vary.

WORK WITH THE READING

Activity B, p. 62

1. e
2. g
3. b
4. j
5. h
6. a
7. f
8. i
9. c
10. d

Vocabulary Skill Review, p. 62

Adjectives: digital, reliable, interactive

Nouns: feedback, experiment

Activity D, p. 63

- a. 9
- b. 5
- c. 7
- d. 3
- e. 6
- f. 8

Activity E, p. 63

1. T
2. T
3. F All students in the United Arab Emirates will have tablets by 2017.
4. T
5. F Paper test results take longer than online quiz results.
6. F Not all families in the United Arab Emirates have the Internet at home.
7. T

Activity F, p. 63

1. Ali and his classmates
2. students
3. Petra
4. students
5. the government of Saudi Arabia

Activity G, p. 64

1. b
Underline: But will the experiment work?
2. b
Underline: thousands of public school students
3. a
Underline: this is good
4. b
Underline: it will be the next leader; children like Ali will be the new leaders

Activity H, p. 64

Answers will vary.

WRITE WHAT YOU THINK

Activity A, p. 65

Answers will vary. Possible answers:

1. I agree because I see children spending many hours on their tablets. They can get upset when their parents tell them to get off because they are too addicted. They do not know when to stop.

2. I would like to be a doctor. I will need strong computer and technology skills because doctors use a lot of high-technology devices that are run by computers.

Activity B, p. 65

Answers will vary. Possible answers:

1. I think people should have a lot of control over the technology they use. People should be able to use technology when they need it and when it makes life easier. However, people should also be able to turn it off. That way we can connect to other people face to face or to perform a task by hand. Our lives are more satisfying when we control technology, not when technology controls us.
2. Technology can help people do their work more easily and quickly. It can also help people communicate. You can be connected with friends around the world in a few seconds. But technology can take people away from interacting with others in the real world. Sometimes people spend more time online than they do talking with friends and family.

VOCABULARY SKILL

Activity A, pp. 65–66

1. The GPS navigation system stores data about highway exits and speed limits.
2. When an accident occurs, the police must decide who is responsible.
3. Are there any limitations to using robots for everyday tasks?
4. Engineers are trying to discover new ways to increase Internet speeds.

5. Researchers have created experiments that study how driverless cars respond to accidents.
6. It may be difficult for consumers to accept driverless cars, but eventually, they may become popular because they have many benefits.

Activity B, p. 66

1. a. G
b. S
2. a. G
b. S
3. a. G
b. S
4. a. G
b. S
5. a. G
b. S

WRITING SKILL

Activity A, pp. 67–68

1. In the near future, driverless cars may change the way people drive.
2. a. The sensors see the road and make decisions about turns and stops, and the GPS navigation system tells the car where to go.
b. Also, it is not clear who is at fault when a driverless car causes an accident.
c. The success of these cars will eventually depend on consumers, not car manufacturers.
3. The writer has a negative reaction. The writer says that he or she does not agree that they are the cars of the future.
4. The writer thinks people would prefer to be in control and would worry about the car's computer making mistakes.
5. Answers will vary.

Activity B, p. 69

1. Governments want children to learn with technology so they are better prepared for jobs of the future.
2. The Saudi Arabia government is putting tablets in hundreds of classrooms.
3. Tablets are making learning more interactive for students. Students are using videos, apps, and software to solve problems and be creative.
4. Tablets are helping teachers help their students more quickly and effectively.
5. The Saudi Arabian government is improving Internet speeds and reliability and putting tablets in schools.
6. The author believes that, if Saudi Arabia manages the challenges, it will lead in tablet education, and its students will lead the new knowledge economy.

Activity C, p. 70

Answers will vary.

GRAMMAR

Activity A, p. 71

1. Underlined: do, mop, mow
Word form: verb
Circled: and
2. Underlined: person, vehicle
Word form: noun
Circled: or
3. Underlined: stop, pull
Word form: verb
Circled: or
4. Underlined: paper, books
Word form: noun
Circled: or
5. Underlined: e-books, videos, apps
Word form: noun
Circled: and

6. Underlined: interactive, dynamic
Word form: adjective
Circled: and
7. Underlined: slow, stop
Word form: verb
Circled: or

Activity B, pp. 71–72

1. They are not listening to their teacher or penciling down notes in their science journals.
2. They turn their designs into a presentation and share them on their screens.
3. Right now it is too early to know, but the answer could be next door.
4. Do you blame the driver, the car, or the car manufacturer?
5. Drivers can make bad judgments, get sleepy, or run red lights.
6. Driverless cars are already on the roads, and could soon end up at a dealer near you.

UNIT ASSIGNMENT

PLAN AND WRITE

Activity A, iQ Online Resource

Answers will vary.

Activity B, iQ Online Resource

Answers will vary.

Activity C, iQ Online Resource

Answers will vary.