

Unit 1 YouTube

Warm-up

(Sample Responses)

1. Yes, my family likes to take videos of ourselves. This helps us remember family events.
2. I like videos with good music in them or videos of people doing tricks.

Vocabulary Preview

1. clip
2. soar
3. electronic
4. aspect
5. homemade

Comprehension Check

1. d
2. d
3. d
4. c
5. YouTube was started in the winter of 2005.
6. It is easy to use--the clips can be downloaded to cell phones and iPods.
7. YouTube streamed sixty Indian cricket matches for free.

Think & Write

1st Paragraph

- popular / created

2nd Paragraph

- soared
- winter
- billion

- networking

3rd Paragraph

- free
- share

4th Paragraph

- continues
- one
- full-length
- sporting

Think & Speak

(Sample Responses)

1. Yes, I have visited YouTube. I thought the site was easy to use, and it had a lot of videos to watch for free!
2. I think YouTube is popular because it is free and easy to use.
3. No, I would not use the site if I had to pay for it. / If I had to pay to use the site, I might be willing to pay \$12 per year.

Vocabulary Practice

Across

2. soar
3. embody
6. estimate
9. electronic

Down

1. broadcast
4. site
5. aspect
7. homemade
8. clip

Unit 2 Great Movie Composers

Warm-up

Sample Responses)

1. I like movie soundtracks. They usually have a good variety of songs on them.
2. Some of my favorite songs from movies are “My Heart Will Go On” from Titanic and the theme from Raiders of the Lost Ark.

Vocabulary Preview

1. memorable
2. struggle
3. prestigious
4. blockbuster
5. gangster

Comprehension Check

1. a
2. b
3. b
4. a
5. Ennio Morricone attended the Accademia Nazionale di Santa Cecilia.
6. Williams won his first Oscar for Jaws.
7. In 2007, Morricone received an honorary Oscar from Clint Eastwood.

Think & Write

Background

- John Williams: well-off
- Ennio Morricone: poor

Music

- John Williams: remembered / catchy
- Ennio Morricone: unusual / memorable

Movies

- John Williams: *Jaws* / *Star Wars*
- Ennio Morricone: *A Fistful* / *Untouchables*

Think & Speak

(Sample Responses)

1. A movie without music would be very strange. I don't think I would like it. It would be too quiet.
2. Music is important for movies because music can set the mood of a scene. It can make a scary scene really scary, or it can emphasize emotion in a sad scene.
3. Some other great composers who have written music for movies are Henry Mancini, Randy Newman, Danny Elfman, Hans Zimmer, James Horner, and Quincy Jones.

Vocabulary Practice

1. scores
2. tunes
3. well-off
4. struggled
5. prestigious
6. blockbusters
7. memorable
8. gangster

Unit 3 Alexander Calder

Warm-up

(Sample Responses)

1. I like paintings and statues. I like them because I can imagine what the real thing or person looked like.
2. An interesting sculpture that I have seen is Michelangelo's David. It is a white marble statue of a man.

Vocabulary Preview

1. pun
2. miniature
3. motive
4. comprise
5. fellow

Comprehension Check

1. c
2. b
3. b
4. c
5. He grew bored of this work.
6. He saw a circus for the first time.
7. A mobile is a movable sculpture comprised of balanced parts that hang freely in space, each capable of independent motion.

Think & Write

Cause

- money
- bored

- circus
- handle / simple

Effect

- engineering
- sculptor
- Cirque Calder
- mobiles

Think & Speak

(Sample Responses)

1. I had a mobile when I was a baby. It hung over my crib.
2. When my father needed to have an operation, it inspired me to try and become a doctor.
3. Another artist that changed the art world was Pablo Picasso. He started an art movement called cubism.

Vocabulary Practice

1. sculpture
2. mechanical
3. miniature
4. replicas
5. comprised
6. fellow
7. pun
8. motive

Unit 4 Devil’s Trill

Warm-up

(Sample Responses)

1. Yes I have. My dream was about a giant snake. The snake lived in a river that I was trying to cross. I finally ran across the snake and got to the other side.
2. Yes, I play the violin. I have played that instrument since I was twelve years old.

Vocabulary Preview

1. duel
2. consummate
3. exquisite
4. masterpiece
5. hail

Comprehension Check

1. d
2. d
3. c
4. b
5. He founded a school for violin players.
6. Tartini said it was inspired by a dream that he had.
7. He said it was not as good as what he had heard in his dream.

Think & Write

Step 1

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

5. a

Step 2

1. Tartini saw the devil by his bed in a dream.
2. Tartini challenged him to a duel.
3. The devil played with consummate skill.
4. Tartini woke up and tried to write what he had heard.
5. The sonata was hailed as a masterpiece.

Think & Speak

(Sample Responses)

1. Other composers I know are Mozart, Bach, and Beethoven. I think all classical music is hard to play.
2. Yes, I do. My favorite is Pachelbel's Canon.
3. My favorite musical instrument is the oboe. I like the sound that this instrument makes.

Vocabulary Practice

Across

1. surpass
4. hail
6. exquisite
9. trill
10. consummate

Down

2. priest
3. masterpiece
5. duel
7. sonata
8. violin

Unit 5 Kabaddi

Warm-up

(Sample Responses)

1. I can hold my breath for about 30 seconds.
2. Sports in my country that may not be well-known in other countries are darts, snooker, and kick boxing.

Vocabulary Preview

1. defend
2. equipment
3. alternate
4. require
5. originate

Comprehension Check

1. c
2. b
3. c
4. d
5. It means “to hold one’s breath.”
6. The raider has to chant the word “kabaddi” without taking a breath.
7. They have to catch the raider and stop him from crossing the center line.

Think & Write

Background

- originated
- hold one's

Playing

- defending

- seven
- raider
- chant
- center

Scoring

- successful
- runs out
- 40

Think & Speak

(Sample Responses)

1. I like to play softball. This sport originated in the US.
2. Other sports that you can play without equipment are running sports, swimming sports, and rock, paper, scissors.
3. A famous athlete in my country is Yao Ming. He plays basketball.

Vocabulary Practice

Across

2. originate
4. require
6. alternate
7. chant

Down

1. referee
3. equipment
4. raider
5. defend

Unit 6 Funding Women’s Sports in Schools

Warm-up

(Sample Responses)

1. Some sports that both men and women play are soccer, tennis, basketball, golf, and softball.
2. Sports that are popular for students to play (or do) are soccer, tennis, basketball, track and field, baseball, and swimming.

Vocabulary Preview

1. especially
2. comply
3. spectator
4. evenly
5. setback

Comprehension Check

1. a
2. d
3. b
4. d
5. Title IX was created to make sure government funding for schools was divided equally between men’s and women’s programs.
6. Title IX states exactly how many women athletes a college should have.
7. Yes, it is working to solve the problem of unequal funding. More women are playing sports than before.

Think & Write

Problem

- unequal

Solution

- evenly
- athletes
- funding / exactly

Result

- solved

Think & Speak

(Sample Responses)

1. Yes, I think it is fair for men's sports to get more money than women's sports. There are more male athletes than female athletes, so the men's teams need to buy more equipment, uniforms, etc.
2. Yes, it is good for both boys and girls to play sports. Boys and girls need to be active to develop healthy bodies.
3. The last sporting event that I saw was a college football game on television.

Vocabulary Practice

1. setback
2. especially
3. spectators
4. athletics
5. equality
6. comply
7. evenly
8. government

Unit 7 Green Roofs

Warm-up

(Sample Responses)

1. We should put plants on the roof of a building for decoration and to keep the top of the building cool in the summer.
2. Some things that I can do to help the environment are to recycle more things and try to use less water and electricity.

Vocabulary Preview

1. moisture
2. drain
3. install
4. furthermore
5. oxygen

Comprehension Check

1. d
2. a
3. d
4. c
5. Travelers can see green roofs in Norway.
6. Plants help reduce the amount of carbon dioxide in the air by taking it in and converting it into oxygen.
7. Runoff is harmful because it causes ground pollutants to drain into streams and collect in sources of drinking water.

Think & Write

1st Paragraph

- environment

2nd Paragraph

- pollution
- oxygen

3rd Paragraph

- cool
- 50

4th Paragraph

- storm
- runoff

Think & Speak

(Sample Responses)

1. Yes, I would like to go to school in a building with a green roof. I like plants, so maybe I could go on the roof and see the plants from time to time.
2. Other benefits of a green roof could be more places for birds and animals to have homes (even in the city)
3. Other energy saving methods that can be used in buildings is turning off lights when they aren't being used, using less water, and unplugging electronics.

Vocabulary Practice

Across

7. environment
9. drain

Down

1. survive
2. remove
3. waste
4. moisture
5. oxygen
6. install
8. roof

Unit 8 Recycling Plastics

Warm-up

(Sample Responses)

1. I usually recycle paper, cardboard, plastic bottles, and glass.
2. I can see a clock, pens, a plant's pot, the chairs, the computer keyboard, the computer mouse, and a picture frame.

Vocabulary Preview

1. jacket
2. batch
3. sort
4. consult
5. recycle

Comprehension Check

1. a
2. b
3. d
4. c
5. The symbol shows what kind of plastic was used to make the container.
6. They have a complex formula. / They have been used to hold paint or motor oil.
7. It usually ends up in the trash.

Think & Write

Easier to Recycle

- Simple
- melt
- jackets

Both

- formula
- sorted
- batch

Harder to Recycle

- complex
- different
- paint

Think & Speak

(Sample Responses)

1. At home, we put waste to be recycled in a special bag under our kitchen sink.
2. Yes, I do. My notebook is made from 60% recycled paper.
3. You can send some old electronics like cell phones or computers back to the manufacturer for recycling.

Vocabulary Practice

1. batch
2. sort
3. container
4. jacket
5. melted
6. Recycle
7. bin
8. unique

Unit 9 Solar Flares

Warm-up

(Sample Responses)

1. I know that the Northern lights are colorful light displays in the sky near the North Pole.
2. If my Internet suddenly quit working, I would be in big trouble. I could not do my homework or e-mail my classmates.

Vocabulary Preview

1. electron
2. interact
3. radiation
4. explosion
5. magnetic

Comprehension Check

1. c
2. c
3. b
4. a
5. They can disrupt our electronic communications, knock out satellites, and shut down power grids.
6. A solar flare shut down the telegraph system.
7. X-class flares are dangerous because they happen suddenly.

Think & Write

Cause

- magnetic
- C-class
- M-class / ten

- X-class / ten

Effect

- auroras
- space crafts / astronauts
- radio
- knock out

Think & Speak

(Sample Responses)

1. When my Internet or phone does not work, I visit my friend to see if her Internet or phone works. If her Internet and phone are out as well, then we just hang out together.
2. I would use a flashlight and read a book.
3. Governments should hire more scientists to study this problem.

Vocabulary Practice

1. atmosphere
2. released
3. electron
4. radiation
5. explosion
6. knocked out
7. solar
8. blackout

Unit 10 How Texting Works

Warm-up

(Sample Responses)

1. Yes, I have a cell phone. I got it three years ago.
2. People use their cell phones to access the Internet, or to take pictures or videos.

Vocabulary Preview

1. locate
2. antenna
3. conversation
4. transmitter
5. network

Comprehension Check

1. d
2. d
3. a
4. b
5. Cell phones, towers, and service centers are the main parts of a cell phone network.
6. The message goes to the message service center after the first tower receives it.
7. Texting is faster and nobody can listen to your conversation.

Think & Write

Step 1

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

Step 2

1. You type a text message, and your phone sends the message to the nearest cell phone tower.
2. The tower's antenna receives your message and then gives it to the message service center.
3. The service center locates another tower in the network that is closest to your friend's phone.
4. The tower uses a transmitter to send the message to your friend's phone.
5. If your friend's phone is off, the service center will store the message and send it later.

Think & Speak

(Sample Responses)

1. Only three people in my family have cell phones.
2. I send text messages every day. I usually send text messages to my friends.
3. It costs twenty-five cents to send a text message in my country.

Vocabulary Practice

Across

4. text
7. although
8. antenna
10. device

Down

1. locate
2. network
3. message
5. transmitter
6. data
9. tower

Unit 11 Generations

Warm-up

(Sample Responses)

1. My parents' view of life is mostly about working hard to make more money (succeed in life). My view is mostly to try and experience different things and see new things in this world.
2. The lives of people are shaped by the times in which they grow up according to how difficult or easy it is to survive. For example, people who grew up during times of war are more likely to worry about not having things or losing things. People who grow up in times of peace and stability are more likely to be focused on pleasure.

Vocabulary Preview

1. ambitious
2. motivate
3. prestige
4. gadget
5. socialize

Comprehension Check

1. b
2. c
3. c
4. a
5. Baby boomers value independence and self-reliance.
6. They are willing to change jobs to get ahead.
7. Members of the iGeneration prefer to use Internet sites such as Facebook and Twitter to socialize.

Think & Write

Baby Boomers

- accomplishments
- independence / by themselves
- world

Generation X

- responsibility
- jobs
- live

iGeneration

- computers
- ambitious
- family

Think & Speak

(Sample Responses)

1. My parents are most similar to baby boomers. They really value hard work.
2. I belong to Generation X. Yes, I think I share many of the characteristics of this generation.
3. If I could describe my generation in one word, it would be "educated."

Vocabulary Practice

1. prestige
2. goal-oriented
3. ambitious
4. gadgets
5. motivate
6. computers
7. sacrifice
8. socialize

Unit 12 Cyber Bullying

Warm-up

(Sample Responses)

1. Yes, I use social media. Facebook is my favorite.
2. My brother was bullied by someone in school. He complained to my parents, so my parents talked to his teacher about it.

Vocabulary Preview

1. celebrity
2. discourage
3. immediately
4. cyber
5. meanwhile

Comprehension Check

1. a
2. d
3. b
4. a
5. Some children send text messages containing lies.
6. It can last longer than traditional bullying and can cause more harm.
7. You should stop, block, and tell.

Think & Write

Problem

- lies
- pretend
- physical harm
- personal

Solution

- respond
- Block
- Tell
- click

Think & Speak

(Sample Responses)

1. I use Facebook about once a week. I usually just check what my friends written.
2. I can protect it by not telling people my real name or other information online.
3. I think people forget that real people can read the things they write in cyber space

Vocabulary Practice

1. messages
2. cyber
3. immediately
4. discourage
5. peer
6. celebrities
7. Meanwhile
8. forum

Unit 13 Mensa Members

Warm-up

(Sample Responses)

1. I belong to the photography club. I would like to join the tennis club.
2. I think very smart people like to do difficult puzzles for fun.

Vocabulary Preview

1. racial
2. scholarship
3. discount
4. affiliation
5. approved

Comprehension Check

1. b
2. c
3. a
4. d
5. The only requirement is have an IQ at or above the 98th percentile on an approved IQ test.
6. Mensa has over 100,000 members worldwide.
7. Two benefits of a Mensa membership are a monthly magazine and scholarship opportunities.

Think & Write

1st Paragraph

- intelligence

2nd Paragraph

- test
- two

3rd Paragraph

- approved
- one

4th Paragraph

- different
- professionals

5th Paragraph

- members
- scholarship / magazine

Think & Speak

(Sample Responses)

1. No, I would not like to become a member of Mensa. I am not that smart, so I wouldn't not enjoy being in this club.
2. Yes, I have taken an IQ test. The test was mostly logic puzzles and answering questions about pictures.
3. Yes, I think it is fun to be a part of a club. In clubs, I have the opportunity to hang out with people who have similar interests to me.

Vocabulary Practice

Across

5. member
6. racial
7. Mensa
9. scholarship

Down

1. quotient
2. affiliation
3. approved
4. percentile
8. discount

Unit 14 Gates and Jobs

Warm-up

(Sample Responses)

1. I prefer personal computers. I have used them all of my life, so I am used to operating them.
2. I know that Bill Gates is very rich, and was part of Microsoft. I know that Steve Jobs is the CEO of Apple.

Vocabulary Preview

1. sophomore
2. expand
3. foundation
4. venture
5. substantial

Comprehension Check

1. c
2. b
3. b
4. d
5. Both Gates and Jobs were born in 1955.
6. He left Apple to found a company called NeXT.
7. He formed a foundation with his wife.

Think & Write

Gates-Microsoft

- software
- \$50 billion

Both

- entrepreneurs

- 1955
- the West Coast
- out of college

Jobs-Apple

- Mac computer
- \$5 billion

Think & Speak

(Sample Responses)

1. I think it is important for entrepreneurs to be a little stubborn and to be willing to take risks.
2. I admire Steve Jobs more because he started two successful companies, Apple and NeXT.
3. Other famous companies in the field of computers are IBM, Toshiba, and Sony. They are all famous for computers, but also make other electronic goods.

Vocabulary Practice

1. entrepreneurs
2. substantial
3. sophomore
4. ventures
5. quit
6. expanding
7. philanthropist
8. foundation

Unit 15 Impact of the iPhone and iPad

Warm-up

(Sample Responses)

1. I would like an iPhone. It would be very convenient to be able to use all the apps.
2. I think the iPad is popular because people use notebooks mostly to access the Internet. Since the iPad is kind of like a notebook, people like it.

Vocabulary Preview

1. accomplish
2. errand
3. cluttered
4. incredible
5. opportune

Comprehension Check

1. d
2. a
3. b
4. c
5. They have made people's lives easier, more efficient, and more organized.
6. They save people time and help them get things done faster.
7. People do not need to carry around several gadgets for different purposes.

Think & Write

Cause

- multi-media
- anything
- device

Effect

- easier
- efficient
- organized

Example

- fingertips
- time / errands
- cluttered

Think & Speak

(Sample Responses)

1. I think the Droid is better than the iPhone. It is a similar device, but the Droid can use applications other than just iTunes apps.
2. I would improve the iPhone by making the screen bigger.
3. I think a laptop is better than an iPad. I like using a regular keyboard more than typing on the iPad screen.

Vocabulary Practice

1. incredible
2. accomplished
3. opportune
4. cluttered
5. efficient
6. multi-media
7. status
8. errand

Unit 16 Anansi and Turtle

Warm-up

(Sample Responses)

1. A famous folktale character is Pecos Bill. He is a cowboy who is a little like Tarzan. He was raised by coyotes and is super strong.
2. The last time we had a guest for dinner was on Sunday. My parents invited a friend of theirs to dinner on Sunday night.

Vocabulary Preview

1. laden
2. dictate
3. delighted
4. greedy
5. exhausted

Comprehension Check

1. c
2. d
3. b
4. a
5. He wants to eat all the yams himself.
6. He fills his jacket pockets with rocks.
7. Turtle tricks him into taking off his jacket, which makes Anansi float to the surface.

Think & Write

Step 1

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

5. d

Step 2

1. Anansi prepares some yams for dinner.
2. Anansi makes Turtle wash his hands before eating.
3. Turtle's table is laden with food.
4. Turtle tells Anansi to take off his jacket before eating.
5. Anansi floats to the top of the water and does not get to eat.

Think & Speak

(Sample Responses)

1. I think Anansi got what he deserved. He was mean to Turtle, so Turtle did the same thing back to Anansi.
2. No, I don't think Anansi will share his dinner next time. He seems too greedy.
3. I know a folktale that has a talking rabbit and a talking bear in it. The rabbit is very clever, and the bear is strong and mean. The bear is always trying to hurt or eat the rabbit, but the rabbit always tricks the bear and gets away.

Vocabulary Practice

Across

1. laden
5. dictate
8. unto
9. yam
10. exhausted

Down

2. delighted
3. greedy
4. manners
6. harvest
7. turtle

Unit 17 Impact Craters

Warm-up

(Sample Responses)

1. Yes, I have seen falling stars in the night sky.
2. Besides stars and moons, you can see planets, asteroids, and satellites in space.

Vocabulary Preview

1. erosion
2. edge
3. enormous
4. vegetation
5. crater

Comprehension Check

1. c
2. d
3. a
4. c
5. They use special equipment.
6. It is younger than most craters. / Erosion has not worn it down as much. Also, it is not covered by vegetation, so it's easy to see.
7. There are many impact craters on the moon. Other planets like Mars have huge craters.

Think & Write

How Impact Craters Are Formed

- Meteoroids / atmosphere
- impact

Impact Craters on Earth

- largest

- Ancient / edges / covered / water
- young / vegetation

Impact Craters on the Moon

- erosion
- kilometers

Think & Speak

(Sample Responses)

1. There is a movie called Deep Impact about a big meteoroid hitting Earth.
2. Other things that can make craters in the ground are bombs and volcanoes.
3. Yes I have. The crater was at the top of a mountain.

Vocabulary Practice

1. atmosphere
2. lines
3. burn
4. craters
5. edges
6. erosion
7. vegetation
8. enormous

Unit 18 The Decline of Honey Bees

Warm-up

(Sample Responses)

1. No, I do not like bees. I think they are scary.
2. Some of my favorite fruits and vegetables are apples, mangos, grapes, strawberries, carrots, broccoli, cucumbers, and peppers.

Vocabulary Preview

1. colony
2. organic
3. disorder
4. nectar
5. pollinator

Comprehension Check

1. a
2. b
3. d
4. a
5. It was first noticed in the fall of 2006.
6. CCD stands for “Colony Collapse Disorder.”
7. Two things are (any of the following): diseases, pesticides, poor beekeeping practices, global warming, and radiation from power lines.

Think & Write

Problem

- pesticides
- diseases / mites
- food

- nectar
- Radiation

Solution

- organic /Ban
- Control / Treat

Think & Speak

(Sample Responses)

1. If there aren't enough bees to pollinate the crops, then we won't have enough food.
2. I think the most likely cause of CCD is pesticides. The organic bees seem to be doing OK.
3. I think we should ban pesticides.

Vocabulary Practice

1. decline
2. organic
3. pollinator
4. disorder
5. colony
6. pesticides
7. control
8. nectar

Unit 19 History of the Swastika

Warm-up

(Sample Responses)

1. I think they are important because they have meaning. People can recognize them without words.
2. When I see a swastika, I think of Nazis. The symbol makes me feel uncomfortable.

Vocabulary Preview

1. insignia
2. rotate
3. artifact
4. scout
5. speculate

Comprehension Check

1. d
2. a
3. b
4. c
5. It means well-being or good fortune.
6. In the early 20th century, it was regarded as a symbol of life, luck, and success.
7. The swastika became a symbol of hate, violence, and death.

Think & Write

Step 1

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

5. e

Step 2

1. Swastikas are drawn on artifacts in Greece.
2. Many folk cultures in Europe used the swastika in the Middle Ages.
3. American soldiers used the symbol on shoulder patches during World War I.
4. Hitler adopts the symbol as the insignia of the Nazi party.
5. Many people view the swastika as a symbol of hate, violence, and death.

Think & Speak

(Sample Responses)

1. I was surprised the most to learn that the US Boy Scouts used this symbol a long time ago.
2. An important symbol is our national flag. Its colors—red and white—stand for peace and strength.
3. A symbol that is important to my family is the cross. We are Christians.

Vocabulary Practice

1. insignia
2. patches
3. Scouts
4. artifacts
5. speculate
6. comet
7. left
8. rotated

Unit 20 Mount Athos

Warm-up

(Sample Responses)

1. I know that Greece was a very important nation in the past. Many great ancient philosophers came from Greece.
2. No, I do not think it would be fun to live as a monk. They have to wake up very early and work very hard every day.

Vocabulary Preview

1. dedicated
2. enforce
3. isolated
4. worship
5. peninsula

Comprehension Check

1. c
2. d
3. a
4. c
5. Mount Athos is located on the eastern-most peninsula in northern Greece.
6. About 3,000 Christian monks live on Mount Athos today.
7. All females, beardless boys, and female farm animals and pets (except hens and cats) are not allowed on Mount Athos.

Think & Write

Where

- third / eastern-most / Greece

What

- 20

When

- founded

Why

- worship

How

- Monks / prayer

Who

- beardless / hens

Think & Speak

(Sample Responses)

1. I think the best thing about living on Mount Athos is that it would be quiet. My life is too busy and noisy these days.
2. The hardest part about living on Mount Athos is that there would not be any televisions or computers. There wouldn't be anything fun to do!
3. A sacred/religious place in my country is Chaco Canyon. The Native Americans thought that the mountain in this canyon was a sacred place. I went there a few years ago.

Vocabulary Practice

1. isolated
2. prayer
3. peninsula
4. monastery
5. dedicated
6. worship
7. enforced
8. temptation