	Video	Listening	Vocabulary	
1 Self **PAGE 8** **Campus life** ▪ **Conversation:** Student interview **Campus life** ▪ **Talk:** Nice to meet you	Soccer stickers	Listen for the main idea of a text	Practice and use question words	
SCIENTIFIC AMERICAN	Dolphins whistle their names **PAGES 26–27**			
2 Family **PAGE 28** **Sociology** ▪ **Interview:** What a family! **Sociology** ▪ **Podcast:** The Wordsworths	Family celebrations	Listen for detailed information	Practice and use adjectives to describe people	
3 Study **PAGE 46** **Campus life** ▪ **Conversation:** Good places to study **Education** ▪ **Profile:** Amazing classrooms	Mascot school	Think about what you already know	Practice and use names for places on campus	
SCIENTIFIC AMERICAN	Why kids are afraid to ask for help **PAGES 64–65**			
4 Money **PAGE 66** **Shopping** ▪ **Conversation:** Can I help you? **Society** ▪ **Lecture:** What's on sale?	Finance lessons	Listen for numbers	Practice and use names for stationery items	

	Grammar	Speaking	Academic skill	Unit outcomes
	Use the simple present of *be*	Notice and practice plural *-s* Ask for repetition Interview a classmate to fill out a form	Being a good listener	Listen for the main idea to understand a topic Interview a classmate to find out more about them
	Use subject and object pronouns	Notice and practice /ɑ/ versus /ʌ/ Talk about the people in your family	Think / Pair / Share	Listen for details to understand key information Talk and share information about the people in your family
	Use the simple present of *have*	Notice and practice the contraction and reduction of *there is* / *there are* Describe a picture of a place	Listening for gist	Think about what you already know to help you listen for key information Describe a picture of a place on campus
	Use count and non-count nouns	Notice and practice the reduction of *and* and *or* Role-play buying and selling things	Working with numbers	Listen for numbers to identify whether they are cardinal or ordinal Have a transactional conversation buying and selling something

	Video	Listening	Vocabulary	
5 Taste **PAGE 84** **Society** ▪ **Interview:** Mealtime habits **Society** ▪ **Lecture:** Fusion foods	Food around the world	Listen for times	Practice and use verbs for cooking	
SCIENTIFIC AMERICAN	3-D-printed chicken dinner cooked by lasers **PAGES 102–103**			
6 Health **PAGE 104** **Lifestyle** ▪ **Interview:** How healthy are you? **Lifestyle** ▪ **Podcast:** Health matters	A healthy life	Listen for clarification	Practice and use sports collocations	
SCIENTIFIC AMERICAN	Flu disappeared for more than a year **PAGES 122–123**			
7 Plans **PAGE 124** **Lifestyle** ▪ **Conversation:** My plans **Education** ▪ **Lecture:** Planning an essay contest	3-D restaurant plans	Listen for signal words	Practice and use homophones	
8 Jobs **PAGE 142** **Lifestyle** ▪ **Conversation:** Jobs **Work** ▪ **Lecture:** Extreme jobs	Crafts in Nigeria	Listen for pros and cons	Practice and use names of popular jobs	
SCIENTIFIC AMERICAN	Monarchs take generations to make annual South-North journey **PAGES 160–161**			

	Grammar	Speaking	Academic skill	Unit outcomes
	Use the simple present tense	Notice and practice pausing and intonation in lists Talk about food	Using content to guess words	Listen for times to understand when things happen Describe a snack or meal you like or dislike
	Use imperatives	Notice and practice intonation of question words Quiz other students on their health	Giving feedback	Listen for clarification to understand what a speaker says Interview two students to find out how healthy they are
	Use the present progressive to talk about the future	Notice and practice saying dates Make plans with others	Taking notes while listening	Listen for signal words to understand the order of information Make plans with other students to do something together
	Use *want to*, *would like to*, and *would prefer to*	Notice and practice contrastive stress Talk about the job you'd like to have	Using graphic organizers	Listen for pros and cons to understand what someone likes and dislikes Describe your "dream job" in the future

	Video	Listening	Vocabulary	
1 Character **PAGE 8** **University life** ■ **Dialogue:** First day on campus **Psychology** ■ **Interview:** Character and personality	Animal personality	Listen for key words in a dialogue Recognize main ideas in longer texts	Practice and use adjectives to describe personality	
SCIENTIFIC AMERICAN	Better atmospheric river forecasts are giving emergency planners more time to prepare for flooding **PAGES 26–27**			
2 Time **PAGE 28** **Biology** ■ **Conversation:** The biology of sleep **Science** ■ **Lecture:** Time to sleep	Sleep break	Listen for specific information to support a main idea Listen for cause and effect to better understand a lecture	Practice and use vocabulary for waking and sleeping	
3 Cities **PAGE 46** **Urban development** ■ **Conversation:** The 15-minute city **Media studies** ■ **Radio report:** Wallscapes	Roof garden	Listen to a speaker correcting information Determine advantages and disadvantages by listening for key words	Practice and use words to talk about cities	
SCIENTIFIC AMERICAN	Sunlight changes unequally all year long **PAGES 64–65**			
4 Culture **PAGE 66** **Customs and traditions** ■ **Conversation:** Japanese customs **Society** ■ **Lecture:** Viewing culture	Finishing school	Identify explanations and examples to better understand texts Use signal words to identify the main ideas of a lecture	Practice and use words to talk about customs and traditions	

	Grammar	Speaking	Academic skill	Unit outcomes
	Review and practice questions in the simple present	Notice and practice word stress in sentences Make formal and informal introductions Brainstorm and take part in an interview and introduce someone	Interrupting nicely	Listen for key words to understand important information Listen for main ideas in the context of interviews and class discussions Ask and answer interview questions and introduce someone
	Use adverbs of frequency to describe a routine	Recognize and use stress and intonation patterns in questions Practice getting attention and asking for permission Plan and conduct a survey about sleep habits	Signposts for imporant information	Practice listening for specific information Listen for cause and effects Ask, answer, and discuss survey questions
	Use the present progressive to describe changes over time	Pronounce contractions in the present progressive tense Give clear reasons for or against an idea Plan, practice, and deliver a short talk about a trend in your city	Making inferences	Use interview questions to predict the contents of a talk Practice listening for advantages and disadvantages in the context of reports and podcasts Describe a trend in your city
	Use modal verbs and adjective expressions to give advice	Notice and practice common syllable stress patterns in multi-syllable words Introduce your talk with signal terms and phrases Brainstorm, prepare, and present a short talk about a country's customs	Creating useful notes to give a presentation	Practice listening for explanations and examples in the context of a conversation Listen for the main ideas of a lecture to follow its organization Prepare and deliver a brief descriptive report

	Video	Listening	Vocabulary	
5 Food **PAGE 84** **Food science** ▪ **Seminar:** Insects on the menu **Health and nutrition** ▪ **Lecture:** Let's concentrate on orange juice	Moon cakes	Identify and distinguish facts from opinions Recognize signal words and phrases to identify steps in a process	Practice and use sequencers	
SCIENTIFIC AMERICAN	A new era for obesity drugs **PAGES 102–103**			
6 Extremes **PAGE 104** **Zoology** ▪ **Conversation:** Amazing creatures **Cognitive science** ▪ **Interview:** Super smart people	Extreme running	Recognize categories to better understand a description Organize information while listening by noticing words used to classify items	Practice and use *-ed* and *-ing* adjectives	
SCIENTIFIC AMERICAN	Weight of life **PAGES 122–123**			
7 Progress **PAGE 124** **Technological progress** ▪ **Conversation:** Virtual labs **Mechanical engineering** ▪ **Presentation:** Simon's new arm	Robot workers	Listen for time signals that identify when speakers describe past and present events Recognize phrases that signal a conclusion	Practice and use words to describe progress	
8 Work **PAGE 142** **Business** ▪ **Interview:** A picture-perfect job **Society** ▪ **Lecture:** The future of work	Driverless bus	Listen for phrases that signal extra information Recognize words and expressions that highlight the structure of a talk	Practice and use vocabulary to talk about work	
SCIENTIFIC AMERICAN	Alien depths **PAGES 160–161**			

	Grammar	Speaking	Academic skill	Unit outcomes
	Use the present passive to describe a process	Pronounce the past *-ed* ending of different words Use signal words and phrases to explain and define ideas Plan and describe the process of making a type of food	Peer evaluation	Listen for facts and opinions Listen for steps in a process Plan, organize, and describe a process
	Use *can* and *be able to* to express and talk about ability	Recognize and pronounce *can*, *can't*, and *be able to* / *not able to* in affirmative, negative, and interrogative sentences Use words and phrases to give a description Take part in a memory quiz and give a description of an animal	Understanding statistics	Practice recognizing categories to better understand a description Listen for words used to classify items in the context of an interview Prepare and take part in a quiz about a discipline of science Give a description
	Use *used to* to talk about differences between past and present	Identify and pronounce stress for emphasis Use concluding words and phrases to end a presentation Brainstorm, plan, and deliver a short talk on how life has changed in the last ten years	Asking follow-up questions	Follow a sequence in a conversation by listening for past and present time signals Listen and identify concluding phrases in a presentation Describe differences between the past and the present
	Use *will* to make predictions about the future	Pronounce contractions with *will* Use future time markers to talk about future developments and trends Give a short presentation about work in the future	Using signposts to move from topic to topic	Listen for words and phrases that signal additional information Listen for the overall structure of a talk or lecture Plan and deliver a short presentation

	Video	Listening	Vocabulary	
1 Society PAGE 8 **Society** ▪ **Conversation:** Community service **Sociology** ▪ **Lecture:** Doctors Without Borders	A fighting chance	Listen for examples Listen for details	Practice and use verb and noun collocations	
SCIENTIFIC AMERICAN	Honeybees social distance to prevent disease, too PAGES 26–27			
2 Food PAGE 28 **Ecology** ▪ **Seminar:** Waste not, want not **Science** ▪ **Lecture:** Brain food	The fight against food waste	Listen for emphasis of main ideas Predicting	Practice and use phrasal verbs	
3 Business PAGE 46 **Work** ▪ **Conversation:** Work space **Case study** ▪ **Profile:** Slow and steady wins the race	Quiet spaces	Listen for reasons Listen for contrasts	Practice and use business vocabulary	
SCIENTIFIC AMERICAN	Massively reducing food waste could feed the world PAGES 64–65			
4 Trends PAGE 66 **History** ▪ **Conversation:** Buying a car **Geography** ▪ **Lecture:** Urban sprawl	Who's to blame?	Listen for dates Listen for time signals	Practice and use synonyms and antonyms	

	Grammar	Speaking	Academic skill	Unit outcomes
	Use discourse markers for adding reasons or details	Notice and practice weak forms Practice giving reasons and explanations Analyze and evaluate which charity to donate to	Presenting in a group	Listen for examples to understand evidence in arguments Listen for details in a lecture to follow its organization Discuss, compare, and evaluate two charities
	Use relative clauses to add further information	Notice and practice consonant clusters Offer advice and suggestions Present ways to reduce food waste in your local town	Concluding a discussion or presentation	Practice listening for important information Listen to predict the content of a lecture Evaluate and present suggestions to reduce food waste
	Use modal verbs for advice	Chunking a presentation Turn-taking Present a business plan to turn a failing business around	Know more about your audience	Listen to understand a speaker's reasons Distinguish between similar sounds Work with a group to present a business plan
	Use the simple past to order historical events	Notice and practice stress patterns in phrases connected with *and* Ask for clarification and repetition Present a timeline of your city	Presenting data	Listen for dates to understand a timeline Listen for time signals to understand when events happened Describe a timeline of a city's development

	Video	Listening	Vocabulary	
5 Success **PAGE 84** **Education** ▪ **Conversation:** Skill, effort, or luck? **Society** ▪ **Lecture:** Success and failure	Coding school	Listen for vocabulary in context Listen to summarize content	Practice and use prefixes	
SCIENTIFIC AMERICAN	Tired adults may learn language like children do **PAGES 102–103**			
6 Pressure **PAGE 104** **Sociology** ▪ **Seminar:** Peer pressure **Psychology** ▪ **Lecture:** Parental pressure	Flower-arranging businessmen	Listen for how opinions are supported Listen for cause and effect	Practice and use collocations with *get*	
SCIENTIFIC AMERICAN	Movie-making tech reveals elephant trunk motions **PAGES 122–123**			
7 Stories **PAGE 124** **Factual story** ▪ **Conversation:** Telling a good story **English language** ▪ **Lecture:** Elements of a plot	The French Spiderman	Listen to identify the order of events Listen for details to add to a diagram	Practice and use descriptive adjectives	
8 Environment **PAGE 142** **Technology** ▪ **Seminar:** Solar power **Ecology** ▪ **Presentation:** A sustainable life	Power from darkness	Listen to recognize pros and cons of an argument Listen to a presenter interact with an audience	Practice and use word families related to the environment	
SCIENTIFIC AMERICAN	Climate change drives escalating drought **PAGES 160–161**			

	Grammar	Speaking	Academic skill	Unit outcomes
	Use quantifiers to express approximate quantity	Notice and practice stress in modifiers before data Use discourse markers to compare and contrast Brainstorm, prepare, and present a talk about passing exams	Content-oriented listening	Listen to understand key vocabulary in context Listen to summarize what you have heard Compare and contrast data in a presentation about exams
	Use modals in conditional sentences to give advice	Notice and practice consonant sounds at word boundaries Use different techniques to explain something you don't know the word for Brainstorm ways to reduce academic pressure	Finding weaknesses with arguments	Listen to understand how to support an argument Listen to understand cause and effect Analyze, evaluate, and give advice on how to minimize academic pressure
	Use the past progressive to tell a story or experience	Identify, distinguish, and pronounce words beginning with /g/ and /k/ Use words to express your attitude toward something Prepare and tell a factual or fictional story you know	Telling an anecdote	Listen to understand the order of events Listen to select key information to add to a diagram Tell a story
	Use modal passives to describe processes and actions	Notice and practice stress with word suffixes Use different techniques to interact with a presenter Present a poster on the environment	Organizing a presentation	Listen to identify pros and cons of an argument Listen to understand when and how to interact with a presenter Plan and deliver a poster presentation on the environment

	Video	Listening	Vocabulary	
1 Design **PAGE 8** **Culture** ■ **Conversation:** Principles of good design **Technology** ■ **Lecture:** The realities of design	A virtual future?	Listen to infer from context Listen for key terms and definitions	Practice and use design vocabulary	
SCIENTIFIC AMERICAN	Spark creativity with Thomas Edison's napping technique **PAGES 26–27**			
2 Thought **PAGE 28** **Technology** ■ **Conversation:** Brain training **Cognitive neuroscience** ■ **Lecture:** Screen time	Brain reading computers	Listen to understand the structure of a formal argument Listen for repair and elaboration	Practice and use words to describe the brain and mind	
3 Fire **PAGE 46** **History** ■ **Presentation:** The healing power of fire **Environment** ■ **Lecture:** Forest fires: friend or foe?	A burning issue	Listen to distinguish facts from opinions Listen to understand a sequence of events	Practice and use synonyms	
SCIENTIFIC AMERICAN	Wildfires followed by severe rain will become more common **PAGES 64–65**			
4 Movement **PAGE 66** **Work** ■ **Podcast:** Ocean shipping **Society** ■ **Lecture:** Crowd management	Cutting through chaos	Listen for generalized statements Listen to understand priorities	Practice and use compound adjectives	

	Grammar	Speaking	Academic skill	Unit outcomes
	Use *wish* with present or future time	Practice talking about problems and solutions Design and present a new product	Reiterating other people's ideas	Practice inferring meaning from context Listen to understand key terms and definitions in context Work in a group to brainstorm, plan, and present a new product designed to solve a problem
	Use conjunctions, *may / might / but*, and adverbials to make concessions	Practice responding to an argument Debate the positive and negative effects of technology on academic performance	Anticipating opposing views	Identify claims and supporting evidence to understand arguments in context Listen for repair and elaboration to accurately identify specific information Participate in a group debate on the effects of technology on academic performance
	Use stance markers	Practice changing the topic and returning to it Debate whether fire does more harm than good	Discussing cohesion	Practice distinguishing facts from opinions to help you evaluate arguments Listen for signal words to help you understand the correct sequence of events Participate in a group debate on how fire can be used to benefit or harm us
	Use complex passives	Practice voicing and allaying concern Assess and prioritize the risks to public safety in a stadium and suggest solutions	Inferring a speaker's attitude or feeling	Listen for generalized statements to understand routine and frequency Practice identifying priorities in context Work in a group to assess and prioritize risks in a stadium and present solutions to each issue

	Video	Listening	Vocabulary	
5 Disease **PAGE 84** **Biology** ▪ **Podcast:** Germ myths **Medicine** ▪ **Lecture:** Herd immunity	A buzz in medicine	Listen to categorize information Listen to understand cause-and-effect relationships	Practice and use medical language	
SCIENTIFIC AMERICAN	See how a parasite travels from tiny crustacean to fish to bird **PAGES 102–103**			
6 Survival **PAGE 104** **Sociology** ▪ **Podcast:** Eco-philanthropy **Architecture** ▪ **Lecture:** Building for the future	Raising awareness	Predict content using prior knowledge Listen for phrases that connect ideas	Practice and use word families	
SCIENTIFIC AMERICAN	See which countries have the most interconnected wildlife preserves **PAGES 122–123**			
7 Law **PAGE 124** **Crime** ▪ **Podcast:** The world's worst crime **Technology** ▪ **Lecture:** Protect yourself online	Crime doesn't pay	Listen to understand supporting evidence: definitions, examples, and explanations Listen to recognize citations	Practice and use legal vocabulary	
8 Tomorrow **PAGE 142** **Technology** ▪ **Seminar:** Are drones the future? **Transportation** ▪ **Lecture:** Hyperloops: the fifth form of transportation	Bat-wing drones	Listen for bias Listen for hyperbole	Practice and use vocabulary for transportation and logistics	
SCIENTIFIC AMERICAN	Hacking the ransomware problem **PAGES 160–161**			

	Grammar	Speaking	Academic skill	Unit outcomes
	Use past modals of deduction	Practice asking to clarify or confirm ideas you hear Make deductions about a medical case study and present your findings	Speaking about graphs	Practice categorizing information to help you understand main ideas Practice identifying cause-and-effect relationships Participate in a presentation about what could have been done to prevent a disease
	Use the present unreal conditional	Practice contributing additional information to a discussion Discuss the global water challenge and present your ideas to the class	Contextualizing information in a broader real-world context	Use prior knowledge to predict what you're going to hear Practice identifying main topics and subtopics to better understand text organization Participate in a group discussion on the global water challenge and present ideas on how to save water
	Use verbs for reported speech	Practice disagreeing politely Debate the appropriacy of a punishment in a cybercrime case study	Adopting different roles in an informal debate	Practice identifying definitions, examples, and explanations to understand supporting evidence Listen to identify direct and indirect quotations in context Participate in a group debate about the punishment in a cybercrime case study
	Use future perfect progressive	Practice using language for convincing and making persuasive arguments Debate the pros and cons of increased commercial drone use	Arguing against someone politely	Practice listening for bias to help you better evaluate arguments Listen for hyperbole to identify claims not meant to be taken literally Participate in a group debate on the pros and cons of increased commercial drone use

	Video	Listening	Vocabulary
1 Gathering **PAGE 8** **Psychology** ▪ **Discussion:** Group work **Sociology** ▪ **Lecture:** International communities	Drones and security	Practice identifying jokes and colloquial allusions Learn to adopt a critical stance to information in lectures	Practice and learn words describing working in teams
SCIENTIFIC AMERICAN	How climate change will hit younger generations **PAGES 26–27**		
2 Games **PAGE 28** **Sports studies** ▪ **Student discussion:** Technology in sports **Sports management** ▪ **Lecture:** Changing the rules in sports	Challenging play	Practice listening to follow the way a discussion develops Use Cornell notes when listening to lectures	Review and use phrases for getting the opportunity to speak
3 Energy **PAGE 46** **Business** ▪ **Workplace discussion:** Dealing with change **Social psychology** ▪ **Group lecture:** Perspectives on the past	A farming innovation	Listen to recognize allusions to external events Annotate presentation slides while listening	Learn and review words for changing situations
SCIENTIFIC AMERICAN	Can natural gas be part of a low-carbon future? **PAGES 64–65**		
4 Risk **PAGE 66** **Psychology** ▪ **Student tutorial:** Taking risks **Risk management** ▪ **Guest lecture:** Managing risk	Powerchair soccer	Practice identifying consensus in group speech Listen for speculation and degree of certainty	Use and learn vocabulary describing risk and conflict

	Grammar	Speaking	Academic skill	Unit outcomes
	Recognize and use cleft sentences	Review and improve your use of phrases to keep a discussion going	Learning to deduce meaning from context	Identify jokes and colloquial allusions Adopt a critical stance to information Take part in an informal debate
	Learn and practice structures for expressing causality	Learn to deal with issues resulting from group work	Considering the jigsaw method of groupwork	Listen to follow the way a discussion develops Take lecture notes using the Cornell system Prepare and conduct a group discussion to evaluate a problem
	Improve and use conditional structures	Practice referring to other speakers during presentations and discussions	Reflecting on and identifying how to make counterarguments	Recognize allusions to external events Listen and annotate presentation slides Prepare and give a group presentation
	Practice and learn hedging language	Use language and methods for obtaining a consensus in group discussions	Learning to conduct and reflect on a SWOT analysis	Identify consensus in group speech Listen for speculation and degree of certainty Conduct and contribute to a group discussion to suggest solutions

	Video	Listening	Vocabulary	
5 Sprawl **PAGE 84** **Linguistics** ▪ **Debate statements:** The spread of English **Biology** ▪ **Lecture:** Rewilding	A river taxi	Listen to detect and repair lapses in understanding Use extension materials to support understanding	Review and practice words for relationships	
SCIENTIFIC AMERICAN	Mammoth tusk reveals ancient mammal's travels **PAGES 102–103**			
6 Behavior **PAGE 104** **Marketing** ▪ **Interviews:** Market research **Educational psychology** ▪ **Tutorial:** The value of questions	Emotional smells	Practice concurrent note-taking and listening Learn to follow abstract argumentation while listening	Use phrases for navigating from one question to another	
SCIENTIFIC AMERICAN	Stuttering stems from problems in brain wiring, not personalities **PAGES 122–123**			
7 Expanse **PAGE 124** **Oceanography** ▪ **Lecture:** Mapping the ocean floor **Geography** ▪ **Lecture:** Mapping the world	Just like on Mars	Listen to identify patterns in lectures Listen to follow discussion of mathematic or scientific problems	Use phrases to describe visuals you are referring to	
8 Change **PAGE 142** **Management** ▪ **Staff workshop:** All change, please **Media studies** ▪ **Lecture:** How beliefs shape reality	Changing the business world	Practice your understanding of non-standard accents Listen to improve understanding of rapid, colloquial speech	Review and expand vocabulary for managing discussions	
SCIENTIFIC AMERICAN	Record-breaking Voyager spacecraft begin to power down **PAGES 160–161**			

	Grammar	Speaking	Academic skill	Unit outcomes
	Improve your recognition and use of inversions	Prepare to draft persuasive statements and ordering arguments	Learning to identify a speaker's opinion	Detect and repair lapses in understanding Support listening with extension materials Prepare and make an opening statement in a debate
	Review and improve indirect questions in interviews	Review and improve techniques for conducting successful interviews	Learning to understand and use Socratic reasoning	Practice note-taking when listening Listen to follow abstract argumentation Conduct a case study interview
	Recognize and use impersonal passive structures	Discuss ways of sharing and using visual data in spoken contributions	Improving your approach to action-oriented listening	Identify patterns in lectures Listen to follow scientific problems Make a presentation using visual data
	Practice the use of past modals in conditionals	Review and improve preparing and asking questions	Learning to use and respond to backchanneling in presentations	Listen to contributions in non-standard accents Listen to follow rapid, colloquial speech in lectures Prepare and participate in a Q&A session