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| **Lesson 1: A Fine, Fine School** |
| **principal** | A principal is the leader of a school. |
| **soared** | Soared means that something flew up toward the sky. |
| **strolled** | Strolled means walked slowly, without hurrying. |
| **worried** | Worried means feeling concerned about something bad that may happen. |
| **proud** | If you feel proud, you feel pleased with yourself. |
| **announced** | Announced means made known to many people.  |
| **fine** | Fine can mean very nice, or of excellent quality.  |
| **certainly** | Certainly means surely or definitely.  |
|  |  |
| **involved** | If you are involved in something, you are a part of it.  |
| **observed** | If you observed something, you saw or noticed it.  |
| **courage** | You show courage when you face danger or something you are afraid of.  |
| **suspense** | You might feel suspense if you are excited or worried about what might happen. |
|  |  |
| **educator** | A person who teaches. |
| **administrator** | A person who is in charge of managing a school or a business. |
| **classroom** | A room in a school in which students learn. |
| **schoolhouse** | A building that is used as a school. |
| **curriculum** | All the subjects that a school teaches. |
| **subject** | A topic that is being studied. |

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| **Lesson 2: The Trial of Cardigan Jones**  |
| **jury** | A jury is the group of people who make the decision in a trial. |
| **trial** | A trial is a meeting in court to decide if someone has broken a law. |
| **convinced** | If you were convinced, someone made you believe or agree to do something. |
| **guilty** | A guilty person is a person who did something wrong. |
| **pointed** | Pointed means used a finger or other object to show where something was. |
| **honest** | Honest means truthful.  |
| **murmur** | A murmur is the sound of people speaking very softly. |
| **stand** | The stand is the place where a witness in a trail sits while being questioned.  |
|  |  |
| **confident**  | Someone who is confident is certain about something.  |
| **drawn** | When you are drawn to something, you are attracted to it.  |
| **unaware** | If you are unaware, you did not realize something.  |
| **committed** | If you committed something, you did it.  |
|  |  |
| **prosecution** | The act of charging someone with a crime. |
| **verdict** | The decision made by a judge or a jury about whether a person on trail is guilty or not guilty of committing a crime.  |
| **judge** | The person who is in charge of a trial. |
| **courtroom** | The public place in which trials are held. |
| **lawyer** | A person who helps people who have problems with the law.  |

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| **Lesson 3: Destiny’s Gift**  |
| **afford** | To afford something is to be able to pay for it. |
| **customers** | Customers are people who buy things at a store. |
| **contacted** | Contacted means got in touch with. |
| **raise** | When you raise money, you collect it, often by having a special event. |
| **earn** | Your efforts or actions may earn you money, praise, or respect from others.  |
| **figure** | Figure out means to decide or solve.  |
| **block** | A block is the section of a street between two other streets. |
| **spreading**  | When something is spreading, it is stretching out or expanding.  |
|  |  |
| **operated** | If you operated something, you were the one working or running it.  |
| **passion** | When you have a passion for something, you have strong feelings for it.  |
| **encouraged** | If you encouraged someone, you persuaded them to do something. |
| **influence** | If you influence someone, you have some kind of effect on what they say or do.  |
|  |  |
| **Volunteer** | To offer to help others without being paid or asked. |
| **Business** | A place where people make or sell products. |
| **Charity** | An organization or group that supports people who need help. |
| **Community service** | Work that citizens do for free to help their community become a better place.  |

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| **Lesson 4: Pop’s Bridge**  |
| **crew** | A crew is a group of people doing work. |
| **tide** | The tide is the rise and fall of the sea. |
| **cling** | To cling to something is to stick to it or hang on tightly. |
| **balancing** | Balancing means keeping steady without tipping over. |
| **foggy** | Foggy means that there is a thick mist or low clouds. |
| **disappears** | Disappears means that something passes from sight. |
| **stretch** | To stretch means to extend or spread out. |
| **excitement** | Excitement means a feeling of great happiness.  |
|  |  |
| **joyous** | If you are joyous, you are full of joy or happiness.  |
| **prepared** | When you prepared something, you got it ready.  |
| **spectators** | Spectators are people who watch an event.  |
| **marveled** | If you marveled at something, you were filled with wonder or great liking.  |
|  |  |
| **foreman** | A person who is in charge of other workers on a job or a project. |
| **construction** | The act of building something, such as a building or a bridge. |
| **suspension** | When something is supported by being hung from above. |
| **arches** | Curved structures over an open space that supports the weight above them.  |
| **harness** | Equipment that workers wear to keep them safe.  |

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| **Lesson 5: Roberto Clemente** |
| **stands** | Stands are seats from which people watch a game. |
| **fans** | Fans are people who enjoy watching a certain activity and supporting the people who participate. |
| **score** | To score means to make or earn points in a game. |
| **league** | A league is a group of teams that play against one another.  |
| **slammed** | Slammed means hit or closed very hard. |
| **polish** | To polish means to make something smooth and bright by rubbing. |
| **style** | Style is a person’s special way of doing something.  |
| **pronounced**  | Pronounced means said in a particular way.  |
|  |  |
| **established** | If you established yourself, you proved yourself to be good at what you do.  |
| **astounding** | Something astounding causes surprise or wonder.  |
| **enthusiastic** | If you are enthusiastic, you have great interest in something. |
| **impressed** | If someone or something impressed you, you admire them for what they did.  |
|  |  |
| **amateur** | A person who place a sport for fun, not as a job. |
| **outfield** | The area of a baseball field farthest from the batter. |
| **professional** | A person who receives money for playing sports. |
| **spectators** | People in the stands who watch an event, such as a sporting event. |
| **sportsmanship** | The behavior a person shows when playing a game.  |

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| **Lesson 6: Bat Loves the Night**  |
| **squeak** | A squeak is a short high sound. |
| **twitch**  | Twitch means to move suddenly |
| **swoop** | When something swoops, it drops down suddenly.  |
| **echoes** | Echoes are repeating sounds when sound waves bounce off of a surface. |
| **detail** | A detail is one small part of a whole. |
| **slithers** | Slithers means slides down, on, or through something. |
| **dozes** | Dozes means sleeps lightly or naps. |
| **snuggles** | When something snuggles, it lies close together with another thing. |
|  |  |
| **seizes** | If someone seizes something, he or she takes hold of it with a lot of force.  |
| **majority** | The majority of something is the greater number or amount of it.  |
| **comfortable**  | When you are comfortable, ou feel relaxed.  |
| **seek** | When you seek something, you try to find or look for it.  |
|  |  |
| **mammal** | An animal that has bones, has hair or fur, gives birth to live young, and feeds milk to its young. |
| **echolocation** | The way in which some animal locate objects by sending out sounds that echo. |
| **nocturnal** | Something happening at night. |
| **environment** | The surroundings in which people, plants, and animals live.  |

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| **Lesson 7: What Do Illustrators Do?** |
| **imagine** | To imagine is to see a picture in your mind. |
| **tools** | Tools are things people use to help them do a job. |
| **illustrate** | To illustrate is to make pictures that show something. |
| **scribbles** | Scribbles are drawings or doodles, drawn in a quick or careless way.  |
| **sketches** | Sketches are quick, simple drawings. |
| **tracing** | Tracing something means copying the outline or shape of it. Tracing paper is s special kind of see-through paper used to help with tracing. |
| **research** | To do research means to search for and study information about a topic. |
| **textures**  | Textures are different ways that surfaces look and feel. |
|  |  |
| **slight** | Something that is slight is small.  |
| **immerse** | When you immerse yourself in something, you become very involved in it.  |
| **delicate** | Something that is delicate requires a lot of care. |
| **lengthy**  | When something is lengthy, it takes a lot of time.  |
|  |  |
| **foreground**  | The part of a picture that appears nearest to the viewer. |
| **typeface** | The design of the letters and numbers in print materials. |
| **watercolors** | Colors for paining that are mixed with water; a type of painting. |
| **publisher** | A company or person that prints books, magazines, or newspapers. |

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| **Lesson 8: The Harvest Birds** |
| **harvest** | A harvest is the crop that is gathered during one growing season. |
| **separate** | If you separate a group of objects, you divide the objects into small groups or categories. |
| **ashamed** | Someone who is ashamed feels embarrassed or guilty about something he or she did or did not do. |
| **borders** | Borders are the dividing lines between two pieces of land.  |
| **advice** | If you give people advice about something, you tell them what you think they should do. |
| **borrow** | If you borrow something, you have another person’s permission to take something from them, use it, and then return it. |
| **patch** | A patch is a small area of land where certain plants or crops grow. |
| **serious**  | If someone is serious about something, they care a lot about what they are saying and doing.  |
|  |  |
| **permanently** | If something lasts permanently, it lasts forever.  |
| **ample** | Something that is ample is large in size or amount.  |
| **desired** | If you desired something, ou wanted it very much.  |
| **refused** | If you refused something, you turned it down.  |
|  |  |
| **pilgrimage** | A trip to a place for religious reasons. |
| **perceptions** | An understanding based on the way you think about something. |
| **perspective** | A particular way of thinking about an issue or idea.  |

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| **Lesson 9: The Kamishibai Man** |
| **familiar** | Familiar means something that is known because it is experienced often. |
| **applause** | Applause is clapping. People clap to show that they like something. |
| **vacant** | Vacant means empty. |
| **rickety** | Rickety means shaky or likely to fall apart. |
| **blurry** | Blurry means unclear or smeared. |
| **blasted** | Blasted means made a sudden, loud sound. |
| **jerky** | Jerky means moving in sudden, uneven, or awkward ways.  |
| **rude**  | Rude means not being polite, or having bad manners. |
|  |  |
| **longed** | If you longed to do something, you wanted to do it very much.  |
| **reflected** | If you reflected on something, you thought about it. |
| **perplexed** | Someone who is perplexed is confused about something. |
| **cherished**  | When something is cherished, you love or care about it a lot. |
|  |  |
| **mime** | A form of entertainment in which a person tells a story without words; a person who uses mime. |
| **atmosphere**  | The way a place makes you feel. |
| **storyteller** | Someone who tells stories. |
| **improvisation** | To speak or act without preparation.  |

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| **Lesson 10: Young Thomas Edison** |
| **invention** | An invention is something new that someone thinks up and creates.  |
| **experiment** | An experiment is a test that helps scientists answer their questions.  |
| **laboratory** | A laboratory is a place where scientists work and do experiments |
| **genius** | Having genius means being very smart.  |
| **gadget** | A gadget is a small machine or tool that is useful.  |
| **electric** | Electric means run by electricity. |
| **signal** | A signal is a sound, a movement, or another sign that sends a message. |
| **occasional**  | Occasional means sometimes but not very often.  |
|  |  |
| **exceptional** | If something is exceptional, it is unusual or out of the ordinary.  |
| **ambitious** | Someone who is ambitious is hard working and really wants to succeed.  |
| **aggressive** | When something is aggressive, it is forceful.  |
| **converted** | If you converted something, you changed it to another form.  |
|  |  |
| **patent** | An official document that gives a person or company the right to be the only one that can make or sell a product for a certain period of time. |
| **phonograph** | A machine that plays records. |
| **sound waves** | A wave that moves though the air and carries the sound to your ear. |
| **kinetoscope** | A machine that allowed someone to view people in motion film.  |

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| **Lesson 11: Technology Wins the Game**  |
| **contribute** | To contribute means to help bring about a result. |
| **athletes** | Athletes are people who play one or more sports.  |
| **improve** | To improve is to get better at something. |
| **power** | Power is another word for strength.  |
| **process** | A process is a series of steps for producing something. |
| **flexible** | If something is flexible, it is able to be bent or twisted.  |
| **fraction** | A fraction is a small part of a whole.  |
| **compete**  | To complete means to take part in a contest. |
|  |  |
| **performance** | A performance is the completion of an action.  |
| **investigate** | When you investigate, you find out and test what is happening.  |
| **enhance** | To enhance something you make it better.  |
| **tremendous** | Something that is tremendous is very large or exciting.  |
|  |  |
| **force** | Power or physical strength. |
| **energy** | The ability to be active or use power. |
| **sensor** | A device that measures motion, energy, or force. |
| **sports engineer** | A person who designs, tests, and creates sports equipment.  |

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| **Lesson 12: Tops and Bottoms** |
| **risky** | Risky means dangerous. |
| **grunted** | If something has grunted, it has made a short, deep sound. |
| **profit** | Profit is the money left over after all the costs of running a business have been paid. |
| **crops** | Crops are farm products such as grains and vegetables. |
| **plucked** | Plucked means picked or pulled off.  |
| **scowled** | If someone has scowled, he or she has made an angry facial expression. |
| **tugged** | Tugged means pulled with effort. |
| **hollered** | Hollered means shouted or yelled. |
|  |  |
| **tend** | When you tend to something, you take care of it.  |
| **stunned** | If you are stunned, you are shocked and surprised.  |
| **perturbed** | If someone is perturbed about something, they are angry.  |
| **miserable** | When someone feels miserable, they are very sad.  |
|  |  |
| **cultivation** | To prepare land for growing plants. |
| **depletion** | The decrease of the amount of something important such as soil or water. |
| **rotation** | The practice of growing different crops on the same land to keep the quality of the soil good for farming.  |
| **sustainable** | Methods that do not completely use up resources or damage the environment. |

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| **Lesson 13: Yonder Mountain**  |
| **examined** | Examined means looked at closely and carefully. |
| **peak** | A peak is the pointed top of something.  |
| **fondly** | Fondly means in a loving or caring way. |
| **steep** | Steep means having a sharp slope. |
| **rugged** | Rugged means rough and uneven. |
| **mist** | Mist is a fine spray. |
| **pausing** | Pausing means stopping briefly.  |
| **pleaded**  | Pleaded means made an urgent request.  |
|  |  |
| **radiant**  | If something is radiant, it shines brightly. |
| **traits** | Traits are the things about a person or item that make it special.  |
| **endured** | If you endured something, you carried on through hard times.  |
| **capable** | If someone is capable, they are able to do something.  |
|  |  |
| **tribe** | A group of people made up of generations of families and other people. |
| **chief** | The leader or ruler of a group. |
| **treaty** | An agreement between two countries or rulers. |
| **territory** | Land that is controlled by a government. |
| **oral tradition** | Customs and beliefs passed down by word of mouth.  |

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| **Lesson 14: Aero and Officer Mike** |
| **lying** | If a person or animal is lying on the floor, he or she is in a flat position. |
| **loyal** | Someone who is loyal stands by you in good times and bad.  |
| **partners** | Partners are people who work closely together.  |
| **shift** | A shift is a set amount of time in which people work.  |
| **quiver** | When people or animals quiver, they shake with little movements because they are cold, fearful, angry, or excited. |
| **patrol** | People patrol an area to watch over it and guard it.  |
| **ability** | Having the ability to do something means that you can do it. |
| **snap**  | If you see a dog snap, it means that the dog opens and closes its mouth quickly, as if it were going to take a bite.  |
|  |  |
| **competent** | If you are competent, you have the skill to do something well.  |
| **versatile** | If someone is versatile, they can do many different things well.  |
| **experts** | If you are an expert about something, you know everything about it.  |
| **attentive** | When someone is attentive, they focus and listen carefully.  |
|  |  |
| **guide dog** | A specially trained dog that can guide a person who is blind or partially blind. |
| **husbandry** | Raising farm animals, such as cows. |
| **colleague** | Someone you work with. |
| **companion** | A person or animal who spends time with you or helps you. |
| **veterinarian** | A doctor who treats animals.  |

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| **Lesson 15: Ramona Quimby** |
| **festive** | Festive means joyous. |
| **ingredients** | Ingredients are the things you include in a recipe.  |
| **degrees** | Degrees are units used to measure temperature. |
| **recommended** | Recommend means suggested.  |
| **anxiously** | Anxiously means with worry, fear, or impatience.  |
| **cross** | Someone who feels cross is in a bad mood, or is grouchy. |
| **remarked** | Remarked means spoke about something. |
| **tense**  | Tense means nervous or anxious. |
|  |  |
| **creative** | Someone who is creative uses her imagination to come up with original ideas.  |
| **maneuver** | To maneuver means to move with skill.  |
| **substituted** | If you substituted something, you used one thing in place of something else.  |
| **distressed** | When you’re distressed, you are upset.  |
|  |  |
| **recipe** | Instructions for making something. |
| **chef** | A person who makes food for eating. |
| **teaspoon** | A small spoon used for measuring in cooking. |
| **tablespoon** | A spoon used for measuring in cooking. |
| **measurements** | Amounts gathered by measuring, such as heights and weights.  |

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| **Lesson 16: Judy Moody Saves the World** |
| **recycle** | To recycle is to treat things that have been through away so they can be used again.  |
| **project** | A project is a task or activity that requires much planning and time. |
| **dripping** | Dripping means falling down in drops. |
| **carton** | A carton is a container, such as a paper box.  |
| **complicated** | If something is complicated, it is hard to understand or to do. |
| **pollution** | When the land, water, or air is dirtied the result is called pollution. |
| **rubbish** | Other words for rubbish are garbage, trash, waste, junk, and litter. |
| **hardly** | Hardly means not very much.  |
| **shade** | Shade is an area where sunlight is blocked. |
| **global** | Global means worldwide. |
|  |  |
| **initiate** | If you initiate something, you begin it.  |
| **dispose** | If you dispose of something, you get rid of it.  |
| **analyzed** | When you analyze something, you look at it in detail.  |
| **drastic** | If you have to make a drastic change, you need to make a very great change.  |
|  |  |
| **compost**  | A mixture of decayed leaves and plants which is added to soil to make it better for growing things. |
| **landfill** | A place where layers of trash are combined with layers of earth. |
| **conserve** | To not waste something, such as water or another natural resource.  |

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| **Lesson 17: The Albertosaurus Mystery**  |
| **fossils** | Fossils are parts or traces of things that lived long ago, such as bones, footprints, or the imprint of a leaf.  |
| **clues** | Clues are facts that help solve a problem or mystery. |
| **remains** | Remains are things that are left over. |
| **prove** | If you prove something, you show that it is true.  |
| **evidence** | Facts or signs that show something is true are called evidence.  |
| **skeletons** | Humans and many animals rely on skeletons to support their bodies and protect their organs.  |
| **uncovering**  | Uncovering may mean taking the cover off, digging up something, or revealing something that is hidden.  |
| **buried** | If something is buried, t was covered, or hidden, often underground. |
| **fierce** | Something that is fierce is wild, strong, or dangerous. |
| **location**  | Location means the place where something is found. |
|  |  |
| **drive** | If you have drive, you are determined to do something.  |
| **suited** | When you are suited for something, you are good at what you do.  |
| **compiled** | If you compiled something, you put it together.  |
| **diligently** | When you work diligently, you work very hard and long.  |
|  |  |
| **paleontology** | A science that studies the past through fossil remains. |
| **badlands** | Land of sculptured peaks and ridges formed through the wearing away of rocks. |
| **field notes** | Written information collected thorough observation and interviews. |
| **sediment** | Matter that settles at the bottom of water or other liquid.  |

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| **Lesson 18: A Tree is Growing**  |
| **pollen** | Pollen is a fine powder that is made by flowers, it is used to make seeds. |
| **store** | When you store things, you put them away until you need them. |
| **clumps** | Clumps are small groups of things such as plants or flowers that grow close together. |
| **passages** | A passage is a long, thin tube or hole that air and liquid can flow through. |
| **absorb** | When objects absorb a liquid, they soak it up.  |
| **throughout** | If something is found throughout an area, it is found all over the area. |
| **coverings** | Coverings are outside layers of objects that protect what is underneath.  |
| **spines** | Spines are long, sharp points on a plant or animal’s body. |
| **tropical** | Tropical weather is hot and wet weather that is found in places near the Equator. |
| **dissolve**  | When solids dissolve, they mix completely with a liquid.  |
|  |  |
| **essential** | When something is essential, it is very important to have. |
| **vital** | If something is vital, it is something that you can’t live without. |
| **produce** | If you produce something, you make it.  |
| **identify** | When you identify something, you tell what it is. |
|  |  |
| **roots** | Parts of a plant that grow underground, absorb water, and take in nutrients. |
| **growth rings** | Layers of wood in a plant produced during a single period of growth, which is usually one year. |
| **leaves** | Parts of a plant attached to the stem (trunk) or branches, usually green, that make food for the plant. |
| **precipitation** | Water falling in the form of rain, snow, sleet, or hail. |
| **decay** | To rot.  |

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| **Lesson 19: Two Bear Cubs** |
| **scolding** | Scolding means criticizing in a harsh way. |
| **greedily** | Greedily means wanting more than one needs.  |
| **ignores** | Ignores means pays no attention to. |
| **hesitation** | Hesitation is the act of being slow to speak, act, or decide. |
| **burden** | A burden is a load or something that is carried. |
| **glancing** | Glancing means taking a quick look at something. |
| **base** | The base is the lowest part of anything. |
| **console** | To console means to help make someone feel less sad or disappointed. |
| **drowsy** | If you are drowsy, you are feeling sleepy. |
| **heroic**  | A heroic person is one who does great deeds and shows courage. |
|  |  |
| **dilemma** | If you have a dilemma, you have a difficult problem. |
| **embraced** | If you embraced someone, you gave them a great big hug.  |
| **hinder** | If something hinders you from getting it done, it means it is stopping you. |
| **commended** | When you are commended for a job well done, someone tells you that you did a great job.  |
|  |  |
| **maternal** | Feelings or actions which are typical of those of a mother toward her child. |
| **interdependent** | Relying on one another. |
| **unconditional** | A person doing or giving something for/to someone and not requiring or epecting anything in return. |
| **nurture** | To care for something while it is growing and developing. |

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| **Lesson 20: Life on the Ice** |
| **shelter** | A shelter is a place to live or take cover. |
| **colony** | A colony is a group of people of the same kind of animals living together. |
| **constant** | Constant means not changing. |
| **wilderness** | The wilderness is a wild area of land where very few people live. |
| **climate** | Climate describes the average or typical weather in a particular place.  |
| **region** | A region is a large section of land on Earth. |
| **unexpected** | Something unexpected happens without warning. |
| **overheated** | If you are overheated you are too hot to be safe. |
| **layer** | A layer is one thickness of something.  |
| **gliding**  | Gliding means moving smoothly, with little effort. |
|  |  |
| **bleak** | Things are bleak when it is cold and dull.  |
| **severe** | If something is severe, it is bad or dangerous.  |
| **adjust** | If you adjust to something, you make changes in how you act so you can get used to it.  |
| **reduce** | If you reduce something, it becomes smaller or less than.  |
|  |  |
| **Fahrenheit** | A temperature scale where water freezes at 32 degrees and boils at 211 degrees. |
| **Celsius** | A temperature scale where water freezes at 0 degrees and boils at 100 degrees. |
| **equator** | An imaginary line around Earth equally distant from the North and South poles. |
| **blizzard** | A heavy snowstorm accompanied by strong, freezing wind.  |

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| **Lesson 21: Sarah, Plain and Tall** |
| **prairie** | A prairie is an area of flat or rolling land covered mostly by grasses.  |
| **slick** | Slick means smooth and slippery. |
| **fetch** | Fetch means to get something and bring it back. |
| **clattered** | If something is clattered, it has made a crashing sound. |
| **sniff** | Sniff means to breathe in through the nose while making a short noise.  |
| **rough** | Rough means not smooth or even. |
| **batted** | Batted means swung at and hit.  |
| **thumped** | Thumped means beat with an object to create a dull noise. |
| **buzzing** | Something buzzing is making a humming sound. |
| **rustle**  | A rustle is a quick, soft sound made when something or someone moves.  |
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| **anticipated** | When you anticipated something, you waited for it to happen.  |
| **collection** | A collection is a group of things.  |
| **nervously** | If you are acting nervously, you are acting frightened or worried.  |
| **responded** | If you have responded to someone, you have answered them when they called or asked a question.  |
|  |  |
| **pioneer** | A settler of a new place. |
| **expansion** | The act of becoming larger |
| **prairie** | A large area of land covered by grass. |
| **bonnet** | A cloth hat that is tied under the chin with ribbons.  |

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| **Lesson 22: The Journey: Stories of Migration**  |
| **migrate** | Animals that migrate are ones that move to a different place at a particular time of year. |
| **survival** | Survival is the act of continuing to live. |
| **plenty** | Plenty means enough or more than enough. |
| **frightening** | Frightening means scary. |
| **accidents** | Accidents are events that happen unexpectedly and may cause harm. |
| **solid** | Something solid is hard, with no breaks or hollow parts.  |
| **chilly** | When the weather is hilly, it is cold enough to make you feel uncomfortable.  |
| **landscape** | Landscape means a long stretch of land seen from one place. |
| **thunderous** | Thunderous means very loud. |
| **dramatic**  | Dramatic means spectacular or suspenseful. |
|  |  |
| **consume** | If you consume something, you eat it.  |
| **descend** | If you descend you go downward. |
| **depart** | If you depart from somewhere, you leave.  |
| **immense** | If something is immense, it is very large.  |
|  |  |
| **adaptation** | The act of something changing in order to better fit its surroundings. |
| **basic needs** | Things that plants and animals need to survive (air, water, and food are basic needs). |
| **insect** | A small animal with three body segments and six legs. |
| **migration** | The act of moving from one region or climate to another for feeding or breeding. |

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| **Lesson 23: The Journey of Oliver K. Woodman**  |
| **sincere** | Sincere means honest and truthful. |
| **managed** | Managed means succeeded in doing something. |
| **loaded** | Something that is loaded was put into a vehicle or container to be carried. |
| **loveliest** | If something is the loveliest, it is the most beautiful and delightful. |
| **conversation** | Conversations are discussions between two or more people. |
| **inspired** | Inspired means to have filled someone with emotion or moved that person to action. |
| **reunion** | A reunion is a gathering of people who have been separated. |
| **currently** | Currently means as at the present time. |
| **pleasure** | To feel pleasure is to feel enjoyment. |
| **terror**  | Terror means great fear. |
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| **goal** | A goal is what you are trying to get done.  |
| **offered** | If someone offered you something, the person wanted you to have it.  |
| **confirm** | If you confirm something, you check to be sure it is true.  |
| **spectacular** | If something is spectacular, it is pretty surprising and wonderful.  |
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| **postage stamp** | A small label, usually with a picture, put on an envelope before you mail it. |
| **correspondent** | A person who writes letters to another person. |
| **e-mail** | A message written and sent from one computer to another. |
| **return address** | The address of a person who sends a letter.  |

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| **Lesson 24: Dog of the Sea Waves**  |
| **voyage** | A voyage is a long trip, often across the ocean.  |
| **lava** | Lava is melted rock that flows from a volcano. |
| **rippled** | If something rippled, it formed tiny waves.  |
| **arrival** | Arrival means getting to a place. |
| **guided** | Guided means showed the way to. |
| **twisted** | Twisted means wound together into a single strand. |
| **aboard** | To be aboard is to be on or inside a vehicle, such as a ship or a train. |
| **anchor** | An anchor is a heavy metal object that keeps a ship in place.  |
| **spotted** | If a person spotted something, he or she saw it. |
| **bay**  | A bay is a sheltered part of the sea that cuts into land.  |
|  |  |
| **peril** | If you are in peril, you are in danger. |
| **reside** | If you reside some place, that is where you live.  |
| **aid** | If someone comes to your aid, the person has given you help.  |
| **vanished** | If something has vanished, it has disappeared.  |
|  |  |
| **eruption** | A sudden or violent burst of lava and ash. |
| **magma** | Hot, liquid matter beneath Earth’s surface. |
| **mountain**  | Land with great height and steep sides that is higher than a hill. |
| **island** | An area of land surrounded by water on all sides. |

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| **Lesson 25: Mountains: Surviving Mt. Everest**  |
| **approached** | Approached means came near. |
| **section** | A section is a part of something. |
| **avalanches** | Avalanches occur when large amounts of sow or rocks slide down a mountain. |
| **increases** | Increases means becomes greater or larger. |
| **equipment** | The things that are needed for a particular activity or purpose are called equipment. |
| **tanks** | Tanks are containers that hold liquids or gases.  |
| **slopes** | Slopes are stretches of ground that slant upward or downward.  |
| **altitude** | Height measured from the earth’s surface is called altitude. |
| **succeed** | To succeed is to manage to do what you tried to do. |
| **halt**  | Halt means to come or bring to a stop. |
|  |  |
| **attempted** | If you have attempted something, you have tried to do it.  |
| **dynamic** | If you are dynamic, you are full of energy.  |
| **various** | If there are various items, then there are many different kinds of things.  |
| **aspired** | If you have aspired to do something, then you have set a goal to get that thing done.  |
|  |  |
| **peak** | The top of a hill or mountain ending in a point. |
| **summit** | The top part of the mountain. |
| **range** | A group of mountains. |
| **ridge** | A long, narrow section at or near the top of something. |
| **landform** | A natural feature of land surface, such as a hill or a valley.  |

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| **Lesson 26: The Foot Race Across America** |
| **principal** | A principal is the leader of a school. |
| **proud** | If you feel proud, you feel pleased with yourself. |
| **announced** | Announced means made known to many people. |
| **advice** | If you give people advice about something, you tell them what you think they should do. |
| **loyal** | Someone who is loyal stands by you in good times and bad.  |
| **ability** | Having the ability to do something means that you can do it. |
| **absorb** | When objects absorb a liquid, they soak it up. |
| **loveliest** | If something is the loveliest, it is the most beautiful and delightful. |
| **compete** | To complete means to take part in a contest. |
| **approach**  | Approached means came near. |
|  | **Domain Specific Vocabulary**  |
| **competition** | A contest between rivals. |
| **motivation** | Reason to act. |
| **victorious** | Successful at winning. |
| **willpower** | Self-discipline  |

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| **Lesson 27: The Power of Magnets** |
| **research** | To do research means to search for and study information about a topic. |
| **tools** | Tools are things people use to help them do a job. |
| **familiar** | Familiar means something that is known because it is experienced often. |
| **gadget** | A gadget is a small machine or tool that is useful. |
| **invention** | An invention is something new that someone thinks up and creates. |
| **experiment** | An experiment is a test that helps scientists answer their questions. |
| **electric** | Electric means run by electricity. |
| **power** | Power is another word for strength. |
| **prove** | If you prove something, you show that it is true. |
| **improve**  | To improve is to get better at something. |
|  |  |
| **attract** | Draw something closer. |
| **repel** | Keep something away. |
| **poles** | Ends of a magnet |
| **electromagnet** | A magnet that can be turned on and off with electricity.  |

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| **Lesson 28: Becoming Anything He Wants to Be** |
| **throughout** | If something is found throughout an area, it is found all over the area. |
| **textures** | Textures are different ways that surfaces look and feel. |
| **peak** | A peak is the pointed top of something. |
| **steep** | Steep means having a sharp slope. |
| **tropical** | Tropical weather is hot and wet weather that is found in places near the Equator. |
| **landscape** | Landscape means a long stretch of land seen from one place. |
| **slopes** | Slopes are stretches of ground that slant upward or downward. |
| **altitude** | Height measured from the earth’s surface is called altitude. |
| **survival** | Survival is the act of continuing to live. |
| **equipment**  | The things that are needed for a particular activity or purpose are called equipment. |
|  |  |
| **overcome** | To successfully control a problem or a situation. |
| **agility** | To be able to move quickly and easily. |
| **barriers** | Things that make it difficult to accomplish a goal. |
| **championship** | A competition to find the best player or best team.  |

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| **Lesson 29: A New Team of Heroes**  |
| **excitement** | Excitement means a feeling of great happiness. |
| **score** | To score means to make or earn points in a game. |
| **athlete** | Athletes are people who play one or more sports. |
| **tense** | Tense means nervous or anxious. |
| **succeed** | To succeed is to manage to do what you tried to do. |
| **league** | A league is a group of teams that play against one another. |
| **earn** | Your efforts or actions may earn you money, praise, or respect from others. |
| **partners** | Partners are people who work closely together.  |
| **pleasure** | To feel pleasure is to feel enjoyment. |
| **contribute**  | To contribute means to help bring about a result. |
|  |  |
| **compete** | The act of taking part in a race or a game with others. |
| **pressure** | The feeling that you must do a lot to win or accomplish something. |
| **defense**  | A group of players on a team that tries to stop the other team from scoring.  |
| **teammates** | A group of players that play for the same team. |

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| **Lesson 30: Saving Buster**  |
| **worried** | Worried means feeling concerned about something bad that may happen. |
| **certainly** | Certainly means surely or definitely. |
| **raise** | When you raise money, you collect it, often by having a special event. |
| **afford** | To afford something is to be able to pay for it. |
| **applause** | Applause is clapping. People clap to show that they like something. |
| **anxiously** | Anxiously means with worry, fear, or impatience. |
| **dramatic** | Dramatic means spectacular or suspenseful. |
| **guided** | Guided means showed the way to. |
| **ingredients** | Ingredients are the things you include in a recipe. |
| **fetch**  | Fetch means to get something and bring it back. |
|  |  |
| **donate**  | To give something for a cause, such as a charity. |
| **city council** | A group of members that govern the city. |
| **theater group** | An organization of people that performs plays. |
| **senior center** |  A place where older adults can meet for services and activities.  |