



Science Card Concepts

IP level	FP		Titles	Science Concepts
15 - 16	I	Orange	Did You Know that You're an Animal? (fact) Baby Dinosaur's Big Jump (fiction)	<ul style="list-style-type: none"> • Animals need food, water, air, and shelter to live and grow • Animals can be classified into groups dependent on certain characteristics – mammals, reptiles, amphibians
15 - 16	I	Orange	Water, Water Everywhere (fact) Down River Drama (fiction)	<ul style="list-style-type: none"> • Fresh and salt water is found on Earth • Water is found in streams, rivers, lakes and oceans. • Fresh water that falls from clouds is called precipitation • Precipitation is one part of the water cycle
15 - 16	I	Orange	Why do You Have Ears? (fact) Sally Superhero (fiction)	<ul style="list-style-type: none"> • Sound is energy that you can hear • Sounds can be loud or soft • Pitch is the measure of high how or low a sound is • Sound is made when something vibrates • Sound travels on waves • Ears transmit sound signal to the brain
17 - 18	I/J	Turquoise	I'm a Smart Plant (fact) Treeman (fiction)	<ul style="list-style-type: none"> • Plants come in different forms • Plants grow in different places • Plants need water, soil, air, and sunlight to survive • Plants have many parts

				<ul style="list-style-type: none"> • Plants use sunlight and air to make food • People depend on plants for food, clothing and shelter
17 - 18	I/J	Turquoise	<p>Wind, Heat, Clouds (fact) Tornado (fiction)</p>	<ul style="list-style-type: none"> • Weather is what the air is outside • Wind is moving air • Strong winds have special names • Scientists measure wind using anemometers • Temperature is how hot or cold weather is, and is measured with a thermometer • Different cloud types bring different weather.
17 - 18	I/J	Turquoise	<p>Magnetic Magnets (fact) The Top-Secret Magnet (fiction)</p>	<ul style="list-style-type: none"> • Magnets can push and pull things made of iron and steel • Magnets have poles which attract and repel • The strength of a magnetic is called magnetic force • People can make simple magnets
19 - 20	J/K	Purple	<p>Your Brainy Brain (fact) The Hunter (fiction)</p>	<ul style="list-style-type: none"> • The body has many parts • The brain is the most important part of the body • The brain receives messages from the senses (sight, hearing, taste, touch, smell) and tells other body parts what to do
19 - 20	J/K	Purple	<p>Day and Night (fact) Vampire Attack (fiction)</p>	<ul style="list-style-type: none"> • Day and night happens because Earth rotates • Earth orbits the sun while it is rotating • The moon reflects the sun's light to make it visible and appear to change shape
19 - 20	J/K	Purple	<p>Motion, Direction, Speed (fact) Down Danger Hill (fiction)</p>	<ul style="list-style-type: none"> • Force is a push or pull of any kind • Motion is any movement anyone makes • Speed is how fast something moves • Force can make things change speed and direction
21 - 22	K/L	Gold	<p>The Life Cycle (fact) Quingle Versus Prork (fiction)</p>	<ul style="list-style-type: none"> • A life cycle is all the stages of an animal or plant's life • Some baby animals look like the adult • Some animals start life looking very different to the adult

				<ul style="list-style-type: none"> • Some animals are born live, some hatch from eggs • Ants and whales have very different life cycles
21 - 22	K/L	Gold	Which Rock Would You Be? (fact) Rock Planet (fiction)	<ul style="list-style-type: none"> • Earth is mostly made of rock • Rocks come in different shapes and sizes • Igneous, sedimentary, and metamorphic rocks form in different ways
21 - 22	K/L	Gold	Heat It Up (fact) Yeti! (fiction)	<ul style="list-style-type: none"> • Things that make heat are called heat sources • The sun is a heat source • Heat is caused by the movement of atoms and molecules
23 - 24	L/M	Silver	You Need Me and I Need You (fact) Trapped! (fiction)	<ul style="list-style-type: none"> • Animals and plants need each other to live and grow • A habitat is a place where plants and animals live and grow together • You can see the interdependence of plants and animals in habitats
23 - 24	L/M	Silver	Milky Way (fact) Attack! (fiction)	<ul style="list-style-type: none"> • The Milky Way is made up of billions of stars • Stars are balls of gas that give off heat and light • The closest star to Earth is the sun • A group of planets orbiting a star is called a solar system • Some planets in a solar system have moons orbiting them
23 - 24	L/M	Silver	Getting Help from a Simple Machine (fact) Sabotage! (fiction)	<ul style="list-style-type: none"> • Machines without motors are called simple machines • There are six simple machines that help people do things • Wedges, levers, screws, pulleys, wheels and axles, and inclined planes or ramps, are all simple machines • Some things people use are made up of more than one simple machine