

Scope and Sequence

Unit	Lesson	Science	Science		Language		
		Key Concepts		Inquiry and Design Process Skills	Attitudes and Values	Key Words	Sentence Structures
1. You and Me (4 class hours)	1. Different or the Same? 2. Growth and Change 3. People in the World	<ul style="list-style-type: none">● In many ways I am the same as other children. Children often look like their parents.● We grow. We get bigger. We can measure our changes.● People in the world look different, but they are just like me.		<ul style="list-style-type: none">● Observe● Compare● Measure	<ul style="list-style-type: none">● Respect people from different parts of the world	different, grow, height, measure, same	<ul style="list-style-type: none">● We all have (eyes/ arms).● (Bob) is (140) cm tall.● All people like to (laugh/play) .
2. Small Animals (4 class hours)	1. Looking Closely 2. Spiders and Their Webs 3. Finding Small Animals	<ul style="list-style-type: none">● There are many kinds of small animals. Insects have six legs.● Some spiders make webs. Spiders use their webs to catch prey.● Some small animals live under stones. Some live in long grass. Some live on bushes. Some live in ponds.		<ul style="list-style-type: none">● Observe● Classify● Make a model	<ul style="list-style-type: none">● Respect small animals● Enjoy learning about small animals	bush, grass, insect, leg, pond, spider, stone, web, wing	<ul style="list-style-type: none">● (Snails/Bees) have (no legs/wings).● (Snails/Butterflies) (crawl/fly).● (Dragonflies/ Grasshoppers) live (in ponds/in long grass).
3. Magnets (4 class hours)	1. Magic Magnets 2. Attract and Repel 3. Which Way Is North?	<ul style="list-style-type: none">● Magnets can attract some things without contact. Magnets can attract some metal materials.● Magnets have two poles.● Same poles repel. Different poles attract.● I can use a compass to find north.		<ul style="list-style-type: none">● Observe● Conduct simple experiments● Make a model	<ul style="list-style-type: none">● Be curious about magnets● Be keen to do experiments	attract, compass, magnet, needle, north, pole, repel, south	<ul style="list-style-type: none">● The magnet (can/ cannot) attract (iron/plastic).● These poles (repel/ attract).
4. Soil and Rocks (4 class hours)	1. Kinds of Soil 2. Rocks 3. Do They Drain Equally Well?	<ul style="list-style-type: none">● I can see stones, sand and plant material in the soil. There are different kinds of soil.● There are many different kinds of rocks. Rocks have many uses.● Stones drain water best.		<ul style="list-style-type: none">● Observe● Compare● Group● Conduct simple fair tests	<ul style="list-style-type: none">● Be keen to do experiments● Enjoy finding out about soil and rocks	drain, rock, rough, sand, smooth, soil, speckled, stone, striped	<ul style="list-style-type: none">● I can see (plant material/sand).● These stones are (round/sharp).● (Stones) drain water (best).

单元结构表

单元	课	科学		科学		语言	
		核心概念		探究与设计过程中所需的能力	态度与价值观	关键词	句型
1. 你和我 (4 课时)	1. 不同还是相同? 2. 成长和变化 3. 世界各地的人	<ul style="list-style-type: none">我和其他的孩子有许多相同的地方。孩子通常和他们的父母长得很像。我们在成长。我们会长大。我们可以测量生长变化。世界上的人虽然长得不一样，但是他们和我有相同之处。		<ul style="list-style-type: none">观察比较测量	<ul style="list-style-type: none">尊重来自世界不同地方的人	不同的、生长、身高、测量、相同的	<ul style="list-style-type: none">We all have (eyes/ arms).(Bob) is (140) cm tall.All people like to (laugh/play).
2. 小动物 (4 课时)	1. 仔细地观察 2. 蜘蛛和蜘蛛网 3. 寻找小动物	<ul style="list-style-type: none">小动物有许多不同的种类。昆虫有六条腿。有些蜘蛛会织网。蜘蛛用网来捕食。有些小动物生活在石头下，有些生活在长长的草丛中，有些生活在灌木丛中，有些生活在池塘边。		<ul style="list-style-type: none">观察分类制作模型	<ul style="list-style-type: none">关心小动物喜欢学习小动物	灌木丛、草、昆虫、腿、池塘、蜘蛛、石头、网、翅膀	<ul style="list-style-type: none">(Snails/Bees) have (no legs/wings).(Snails/Butterflies) (crawl/fly).(Dragonflies/ Grasshoppers) live (in ponds/in long grass).
3. 磁铁 (4 课时)	1. 神奇的磁铁 2. 吸引和排斥 3. 哪个方向是北?	<ul style="list-style-type: none">磁铁不接触某些物体就能吸引它们。磁铁能够吸引某些金属材料。磁铁有两极。同名磁极相互排斥，异名磁极相互吸引。我可以 使用指南针寻找北方。		<ul style="list-style-type: none">观察进行简单的实验制作模型	<ul style="list-style-type: none">对磁铁感到好奇乐于实验	吸引、指南针、磁铁、指针、北、磁极、排斥、南	<ul style="list-style-type: none">The magnet (can/ cannot) attract (iron/plastic).These poles (repel/ attract).
4. 土壤和岩石 (4 课时)	1. 各种各样的土壤 2. 岩石 3. 它们的排水性一样吗?	<ul style="list-style-type: none">我在土壤中可以看到石头、沙子和植物。土壤有不同的种类。岩石有不同的种类。岩石有很多用途。石头的排水性最好。		<ul style="list-style-type: none">观察比较分组进行简单的公平实验	<ul style="list-style-type: none">乐于实验喜欢学习土壤和岩石	排水、岩石、粗糙的、沙子、光滑的、土壤、布满斑点的、石头、带条纹的	<ul style="list-style-type: none">I can see (plant material/sand).These stones are (round/sharp).(Stones) drain water (best).