





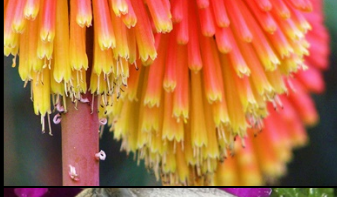

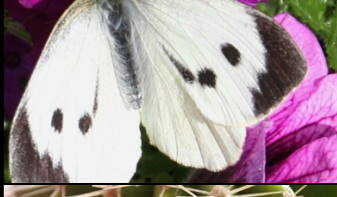







ART ILLUMINATES SCIENCE

What Art Concepts Can You See In Nature?

There are many art concepts that can help us become keener observers of the natural world. The visual aspects of plants and animals are often important to their survival. What art concepts can you see in nature? How do these impact survival? Take a closer look and let nature inspire your art!

ELEMENTS OF ART		PRINCIPLES OF DESIGN	
	<p>LINE The path of a point through space. In this cabbage, lines are veins that carry water and nutrients.</p>		<p>PATTERN When visual elements repeat, they create patterns like the stripes in these folds of palm fronds.</p>
	<p>SHAPE The 2-dimensional aspects of an object on a flat surface. Leaf shapes help us identify trees.</p>		<p>REPETITION Visual elements happen again and again to create pattern like these stipes on bees.</p>
	<p>FORM The 3-dimensional aspects of an object. The herb Star Anise has a star form.</p>		<p>RHYTHM Visual elements create the sense of movement. Flower markings have rhythm and attract pollinators.</p>
	<p>COLOR The type of light an object reflects. Brilliant color can attract pollinator and deter pests.</p>		<p>SCALE/PROPORTION Big and small. The inner pistil of this Poppy is much larger in scale than the many little stamens.</p>
	<p>VALUE Light and dark. Cabbage butterflies have bright white wings and dark black spots.</p>		<p>BALANCE When things appear equal. Fungi often have gills arranged in balance under their caps.</p>
	<p>TEXTURE Quality of a surface. The sharp texture of cactus needles protects the plant from predators.</p>		<p>UNITY Art components work together to achieve harmony. The blue in these Columbine petals creates visual unity.</p>
	<p>Many specimens show multiple art concepts. Sunflower centers have both spiral and bubble patterns. They show symmetry, too.</p>		<p>CONTRAST Contrast means opposites. The hairy caterpillar contrasts with the smooth leaf.</p>