

OUR GREEN CANOPY

THE CANOPY OF LEAVES IN THE SANCTUARY IS A VITAL LIVING SYSTEM THAT REGULATES THE ENVIRONMENT BELOW, MAINTAINING THE PERFECT CONDITIONS FOR LIFE TO FLOURISH HERE AT ANDOVER. MY ART OFF TO THE RIGHT PUTS INTO **PERSPECTIVE** OUR TREES AND AIMS TO MAKE THE VIEWER FEEL SMALLER IN COMPARISON

NATURAL SUN (ABIOTIC) FILTER AND ENERGY FACTORY

FILTERS THE SUN: THE DENSE LAYER OF LEAVES AND BRANCHES (BIOTIC) BLOCKS HARSH DIRECT SUNLIGHT, WHICH IS THE PRIMARY ENERGY SOURCE, CREATING A MORE STABLE ENVIRONMENT

LIGHT NICHES: THE FILTERING EFFECT CREATES A VARIETY OF LIGHT LEVELS. THIS ALLOWS FOR MANY DIFFERENT PLANTS TO THRIVE FROM SUN LOVING TREES TO SHADE DEPENDENT FERNS ON THE SANCTUARY FLOOR. THIS CREATES MANY BIODIVERSE MICROHABITATS

POWERS THE ECOSYSTEM: THE CANOPY IS WHERE THE FORESTS ENERGY IS PRODUCED THROUGH PHOTOSYNTHESIS, A BOTTOM UP FORCE, FORMING THE BASE FOR THE ENTIRE FOOD WEB AND DICTATING THE AMOUNT OF ENERGY AVAILABLE FOR HIGHER TROPHIC LEVELS

[I ENCOURAGE YOU TO MAKE YOUR OWN WATER COLOR WITH THE NATURE YOU FIND HERE! TAG](#)

[@AGREENERBLUE](#) TO SHARE YOUR WORK AND [#DrawnToEarth](#)

LOOK UP!

& SEE THE SANCTUARY FROM A NEW PERSPECTIVE



TEMPERATURE (ABIOTIC) REGULATION

SHADE: THE CANOPY KEEPS THE FOREST FLOOR COOL, PREVENTING RAPID TEMPERATURE SWINGS, PROTECTING PLANTS, ANIMALS, AND INSECTS FROM OVERHEATING. THIS ALSO PROVIDES A NICE AREA FOR HUMANS TO ENJOY EITHER PHYSICAL OR PEACEFUL ACTIVITIES

MOISTURE: THE COOLER TEMPERATURE CREATED BY SHADE SIGNIFICANTLY REDUCES EVAPORATION, HELPING THE SOIL ALSO RETAIN MOISTURE. THIS IS A CRUCIAL ABIOTIC FACTOR SHAPING THE DISTRIBUTION AND ACTIVITY OF MICROORGANISMS