

Table of Contents

Acknowledgements	4
Effectiveness Study	4
Introduction	6
Active Assessment and Standards-Based Learning Outcomes	8
Master List of Supplies and Produce	11
General Supplies.	11
Plant Products Kit.	12
Produce Shopping List by Lesson	13
Lesson 1: Let's Become Botanists!	16
Lesson 2: Roots	21
Lesson 3: Stems	28
Lesson 4: Leaves	36
Lesson 5: Flowers.	42
Lesson 6: Fruits	48
Lesson 7: Seeds	54
Lesson 8: Plants — Top to Bottom.	59
Diagrams.	65
Structures of a Tomato Plant	65
Photosynthesis	66
Parts of a Nasturtium Flower	67
Inside a Fava Bean.	68
Inside an Almond Seed.	68
How to Read a Nutrition Facts Label	69
Root Nutrition Labels	70
Stem Nutrition Labels.	71
Leaf Nutrition Labels	72
Flower Nutrition Labels	73
Fruit Nutrition Labels.	74
Seed Nutrition Labels	75
Botany Background: Form and Function	76
Glossary: The Language of Science and Mathematics	84