

Contents

Guide to Graphics	5
Introduction	7
Matrix.....	8
 Set 1. Physical Sciences Electricity and magnetism are related effects that have many useful applications in everyday life. As a basis for understanding this concept:.....	15
Circuits.....	15
Compasses	38
Electromagnets	47
Electric Motors.....	57
Static Electricity.....	68
Magnets.....	80
Electrical Energy	87
 Set 2. Life Sciences All organisms need energy and matter to live and grow. As a basis for understanding this concept:	96
Plants	96
Food Webs.....	114
Decomposers	133
 Set 3. Life Sciences Living organisms depend on one another and on their environment for survival. As a basis for understanding this concept:.....	148
Living versus Nonliving.....	148
Survival.....	163
Plants and Animals.....	180
Microorganisms	193