***MATTER AND ENERGY***

***TABLE OF CONTENTS***

***STANDARDS AND CONTENT 2***

***SECTION 1: MELTING, FREEZING, EVAPORATION 3***

***SECTION 2: MEASURING TEMPERATURES 11***

***SECTION 3: HEAT CHANGES MATTER 19***

***SECTION 4: SOLAR ENERGY 23***

***SECTION 5: INVESTIGATING HEAT ENERGY WITH COLOR CARDS.30 SECTION 6: THE PERIODIC TABLE OF ELEMENTS 33***

***SECTION 7: ELEMENTS ARE MADE OF ATOMS 39***

***SECTION 8: THE BUBBLE LAB AND SURFACE TENSION 42***

***SECTION 9: MAKING SOLUTIONS AND GROWING CRYSTALS 46***

***SECTION 10: MAKING A NEW SUBSTANCE 49***

***GLOSSARY 55***

***MATERIALS 56***

***BAG LABELS FOR ORGANIZING MATERIALS ON LIST 58***

***STANDARDS CORRELATED TO HANDS ON LESSONS 60***

