

The
CLEMSON BIOLOGY PROJECT
Using Casio Technology

Authors:
W.H. Leonard
Donna Diaz

Project Director:
John Kenelly

Technology and University Coordinator:
Chris Peters

**Conceived and Developed at Clemson University
Copyright, 2001**

Materials Reproducible Only for Face-to-Face Instruction

CLEMSON BIOLOGY PROJECT
Using Casio Technology
TABLE OF CONTENTS

**CLEMSON
BIOLOGY
LABS.....TOPICS**

INTRODUCTION TITLES AND CONCEPTS

UNIT 1 CELL BIOLOGY

CB 1.....DIFFUSION

CB 2.....FERMENTATION

CB 3.....DECOMPOSITION THROUGH CONTAMINATION

CB 4.....SUGAR METABOLISM

CB 5.....FACTORS IN YEAST GROWTH

UNIT 2 PHYSIOLOGY & BEHAVIOR

CB 6.....EFFECTS OF EXERCISE ON PULSE & BREATHING RATES

CB 7.....TEMPERATURE & HEARTBEAT RATE IN EARTHWORMS

CB 8.....METABOLISM OF GERMINATING PEA SEEDS

CB 9ANATOMY & PHYSIOLOGY OF HUMAN RESPONSE RATES

CB 10.....THE LIMITS OF LEARNING

UNIT 3 DIVERSITY

CB 11.....WHO ELSE GOES TO MY SCHOOL

CB 12.....TROPHIC SCABENGER HUNT

CB 13.....INVESTIGATING A MACRO ECOSYSTEM

UNIT 4 ECOLOGY & ENVIRONMENT

CB 14.....MEASURING BIOMASS

CB 15.....HOW MUCH LAND CAN SUPPORT A PERSON?

CB 16.....SUSTAINING A POPULATION

CB 17.....MY FAMILY IN 100 YEARS

CB 18.....A TRASH AUDIT

CB 19.....COMPOSTING

CB 20.....COLLECTING COMPOSTING DATA

APPENDIX

A1. ~USING YOUR *BIOLOG*

A2. ~USING THE EA100 TO COLLECT AND TRANSFER DATA

A3. ~USING THE FX2.0 GRAPHING CALCULATOR TO LIST AND GRAPH DATA