

GRANDE PRAIRIE REGIONAL COLLEGE

ADULT DEVELOPMENT DEPARTMENT

COURSE OUTLINE

Course Name: Matter and Energy I (SC063)

Instructor: La Vern Stangeland office # - C 220

Date: January - February 1992

Time: 1:30 - 3:30 p.m. Tuesday

Room: B 309

Materials: household items (The instructor will provide equipment for experiments.)

Text Book: Hands-on Science MATTER and ENERGY by Marilynne W. Mathias and Robert A. Johnson, Ph.D.

Course Expectations: Students are expected to complete the first five of the following units to receive credit for one block of science studies.

- Unit 1 Matter and Molecules
- Unit 2 The chemical nature of matter
- Unit 3 Energy
- Unit 4 Heat Energy
- Unit 5 Mechanical energy
- Unit 6 Electricity
- Unit 7 Magnets and electricity
- Unit 8 Light energy
- Unit 9 Energy and sound
- Unit 10 Energy in the future

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MATTER AND ENERGY I COURSE OUTLINE continued

**Breakdown of students' marks for each unit**

4 experiments (4x3%)-----	12%
Students must do at least one experiment in each unit. They may choose to observe three experiments	
chapter check-ups -----	20%
unit review -----	18%
Final Exam-----	<u>50 %</u>
Total possible mark in this course-----	100 %

**Note: Students must have 50 % or better on all unit final exams to receive credit in this course.**

Only experiments and final exams must be done in class, however students are encouraged to do chapter check-ups and unit reviews during class time.