MIDDLE SCHOOL INSTRUCTIONAL FORM

Area: Science

Steven Rinck (Chairman)

I. Program Philosophy

See District's Philosophy

II. Program Goals

1. To develop high levels of knowledge and skill in the science disciplines.
2. To be able to plan and carry out investigations by asking rigorous, significant questions designed to probe for unbiased truths.
3. To be able to apply the scientific method when solving problems by developing suitable hypotheses, experiments, and conclusions.
4. To apply basic science skills of observation, classification, communication, measurement, prediction, and inference in seeking truths about the world and universe.
5. To be able to understand the core concepts of the physical, earth/space, and the biological sciences as components of an integrated, natural system.
6. To appreciate the interactive nature of science, the environment, technology, and society. With this perspective and their natural curiosity.
7. To be able to use their knowledge and skills to examine and resolve critical and ethical issues facing the global community.

III. Program Activities

Teacher Activities:

1. Directing individualized instruction.
2. Organizing and directing laboratory experiences.
3. Selection and presentation of audio-visual aids.
4. Selection of supplemental material.
5. Lecturing
6. Directing, discussion.
7. Testing and evaluating
8. Teacher demonstration
9. Counseling with students and parents.
10. Coordinating individualized research

Student Activities

1. Preparation
   - A. Organization of laboratory materials
   - B. Studying
   - C. Checking reference material
2. Participation
   - A. Laboratory experiences
   - B. Viewing films and filmstrips
   - C. Working individually in self instruction
   - D. Class Discussion
   - E. Field Trips
3. Grouping

IV. Organizational Nomenclature

Teacher-Student Ratio: 1:25
Total No. of Teachers: 9
Total No. of Aides N/A
Student Capacity Per Period: 30
Hours Per day Space will be used: 7
Grade levels or Age levels for which program is intended 6-8

V. Facilities List

Fish Code	No. of Areas	Description of Area	No. of Staff Per Area	No. of Students Per Area	No. of Students Total	Net Sq. Ft. Per Unit	Net Sq. Ft. Total
027	0	Demo Classrooms				0	0
809	0	Storage, Material				0	0

VI. SPECIAL CONSIDERATIONS

(1) Heating/Cooling/Ventilation
Heating and Cooling in all areas.

(2) Acoustical
Standard

(3) Floor
Vinyl tile to help control dust levels

(4) Walls
Concrete block with epoxy paint for easy cleaning

(5) Ceiling
Acoustic tile to retard water damage

(6) Lighting
Fluorescent lighting, recessed with variable light intensity capability control.

(7) Windows
Should have blinds / shades for AV needs. At least 72ft. of window space could be provided on at least one wall.

(8) Doors
Standard on each room

(9) Water
Eight (8) sinks built into counters along two walls and one sink at demonstration table. Emergency shower and eyewash in each room. Sinks should be equipped with clay traps, goose neck spouts, and acid resistant. Drains should be acid resistant. One sink in each material storage area.

(10). Communications

Two-way intercom to each science room and to each teacher planning area. Include wiring for MATV.

(11). Electrical

Locate electrical clock in each science classroom and teacher planning area. Eight electric outlets to be placed along each built-in counter top. At least two electric outlets to be placed on each wall perpendicular to built-in counters.

(12). Gas and Air

N/A

(13). Safety

Each science room to have eyewash and shower. Floor drain, If possible, Fire blanket, fire extinguisher and goggle sanitizer should be in each romm

(14). Fencing

N/A

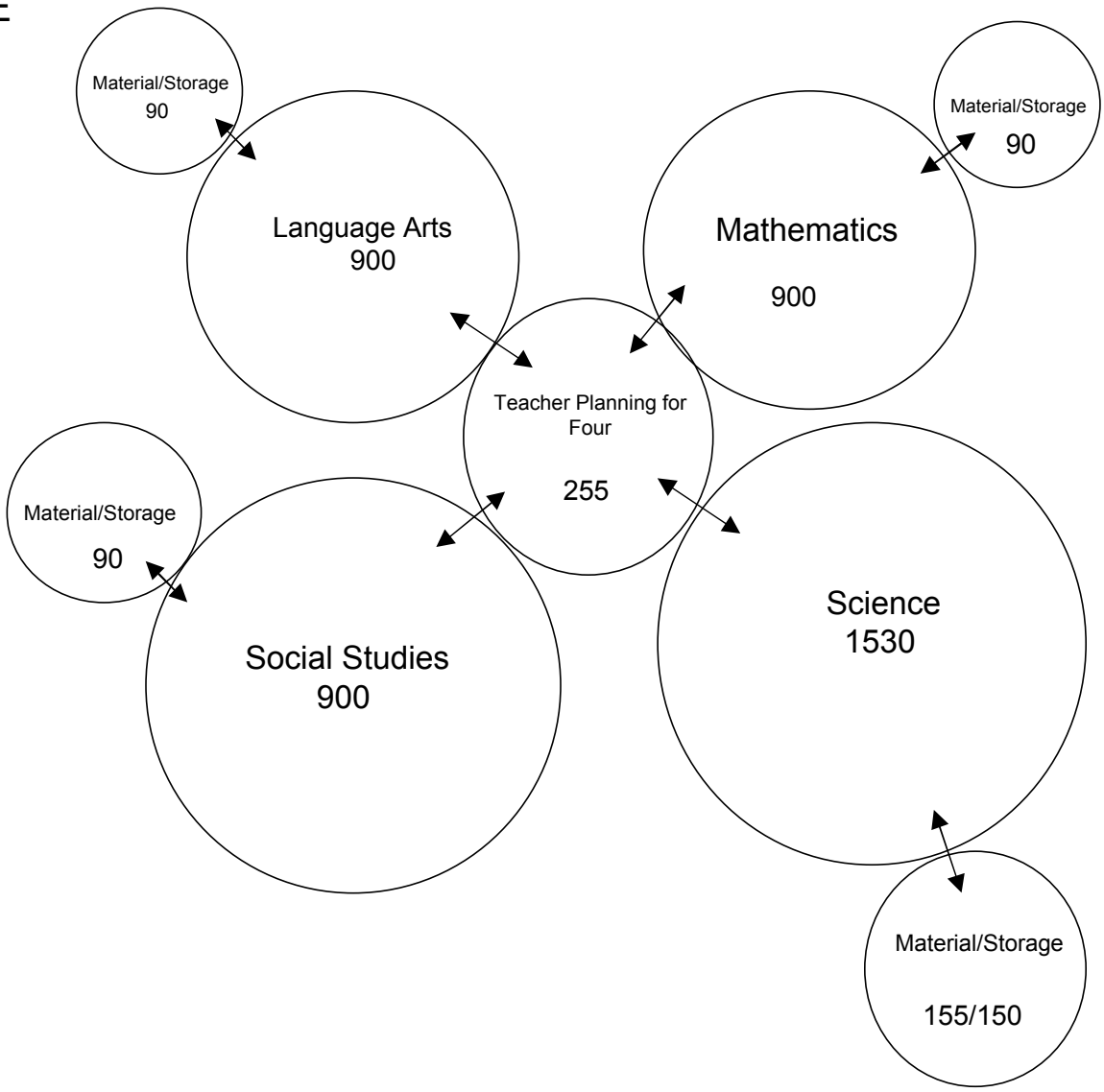
(15). Service Drives

N/A

(16). Parking

N/A

SCIENCE


Material/Storage
90
Language Arts
900
Material/Storage
90
Mathematics
900
Teacher Planning for
Four
255
Material/Storage
90
Social Studies
900
Science
1530
Material/Storage
155/150