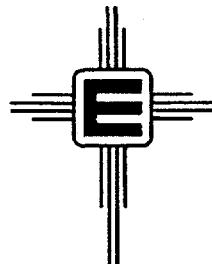


DOE/ER/79066--T/

CLOSEOUT DOCUMENTATION
GRANT NO. DE-FG05-92ER79066



Ruidoso Instructional Center
Eastern New Mexico University
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Ruidoso, NM 88345

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MASTER

December 19, 1996

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**The Ruidoso Center of ENMU
DOE PREP Program Final Status Report - 1992**

I. Objectives

- a. to identify, involve and retain fifty (50) students in the target audience
- b. to develop interest in and awareness of career opportunities in math, science and technology and in applied science careers such as medicine
- c. to encourage project participants and their parents/guardians to seriously consider selection of math, science, and technical courses in middle school and high school
- d. to stay in school and to graduate from high school
- e. to increase project participant awareness of the extensive program and financial opportunities to students to attend college and to select math, science or technical college courses and degree majors

II. Project Accomplishments

The project accomplished several of its short term objectives. 82% of the desired number of students completed the Summer camp and all but three participants were in the target audience. Ruidoso students within the overall group [over 50% of participants] went on to form the nucleus of the new MESA program which was initiated two months after the completion of the 1992 Summer camp. The Ruidoso Middle School MESA Coordinator has now joined the PREP project staff for the 1993 Summer camp and is tracking PREP students through Middle School. The objectives of familiarizing students with college and career opportunities were met with guest speakers from DOE facilities such as the WIPP site in Carlsbad, and at the Plant Genetics Laboratory at New Mexico State University and at the Mescalero National Fish Hatchery.

III. Project Dates: June 15 - June 25 and July 13 - July 24, 1992

IV. Student Attendance Total: 41 6th: 1 7th: 15 8th: 25

Female: 17 Male: 24 Native American: 4 Asian: 0 Black: 0 Hispanic 28
Caucasian: 9 Alaskan Native: 0 Pacific Islander: 0

V. Staffing

Team Leader: Michael Gaines, Staff: Robert Hemphill, Gina Langley, Rick Overdorf, Devra Post

U. S. Department of Energy
FREP
Attendance Summary Sheet
1992 - 1993

To be filled out by the Project Director

Date: 10-26-92

College or University: Eastern New Mexico University

Project Director: Dr. James P. Miller, Jr.

Grant Number: DE-FG05-92ER 79066

1. Length of Summer Program: June 15 to June 25 and July 13 to July 24, 1992

2. Total Number of Academic Year Days included: 20 (Twenty)

3. Number of Class Hours: 36 Laboratory Hours: 36 Field Trip Hours: 48

4. Number of Applicants: 47

5. Number of Participants: Summer: 41 Academic Year: _____

6. Number of Participants by Grade Level: 6th 1 7th 15 8th 25 9th 0
10th 0

7. Number of Female Participants: 17

American Indian 3 Asian 0 Black 0 Hispanic 10 Caucasian 4
Alaskan Native 0 Pacific Islander 0

8. Number of Male Participants: 24

American Indian 1 Asian 0 Black 0 Hispanic 18 Caucasian 5
Alaskan Native 0 Pacific Islander 0

9. Number enrolling in science-based program in Academic Year 92-93 41

The Ruidoso Center of ENMU
DOE PREP Program Final Status Report - 1993

I. Objectives

- a. to identify, involve and retain fifty (50) students in the target audience
- b. to develop interest in and awareness of career opportunities in math, science and technology and in applied science programs such as medicine
- c. to encourage project participants and their parents/guardians to seriously consider selection of math, science, and technical courses in middle school and high school
- d. to stay in school and to graduate from high school
- e. to increase project participant awareness of the extensive program and financial opportunities available to students to attend college and to select math, science or technical college courses and degree majors

II. Accomplishment of Objectives

The project accomplished several of its short term objectives. 84% of the desired number of students completed the Summer camp. Hispanic and Mescalero participation increased significantly from 1992, as well as the introduction of several new minority groups. 1992 and 1993 participants are now forming the nucleus of a new MESA project at Ruidoso High School. The objectives of familiarizing students with college and career opportunities were met with guest speakers from and/or field trips to installations such as the VLA - National Radio Astronomy Observatory, the New Mexico Natural History Museum, and Eastern New Mexico University.

III. Project Dates: June 14 - July 2 and July 12 - July 30, 1993

IV. Student Attendance Total: 42 6th 2 7th 16 8th 23

Female: 25 Male: 16 Native American: 4 Asian: 1 Black: 0 Hispanic 23
Caucasian: 16 Alaskan Native: 0 Pacific Islander: 0

V. Staffing

Team Leader: Dr. Gina Langley, Staff: Carla Burns, Frieda Dickson,, Robert Hemphill (part-time), Mickey Jacobs (college senior Chemistry student); Rick Overdorf.

U. S. Department of Energy
PREP
Attendance Summary Sheet

To be filled out by the Project Director

Date: Aug. 25, 1993

College or University: Ruidoso Instructional Center - ENMU

Project Director: Dr. James Miller Jr.

Grant Number: DE-FG05-92ER 79066

1. Length of Summer Program: June 14 - July 2; July 12 - July 30 (4 weeks)

2. Total Number of Academic Year Days included: 0

3. Number of Class Hours: 30 Laboratory Hours: 36 Field Trip Hours: 72

4. Number of Applicants: 41

5. Number of Participants: Summer: 41 Academic Year: 0

6. Number of Participants by Grade Level: 6th 2 7th 16 8th 23 9th
10th

7. Number of Female Participants: 25

American Indian 2 Asian 0 Black 0 Hispanic 13 Caucasian 11

Alaskan Native 0 Pacific Islander 0

8. Number of Male Participants: 16

American Indian 2 Asian 0 Black 0 Hispanic 10 Caucasian 5
Alaskan Native 0 Pacific Islander 0

9. Number enrolling in science-based program in Academic Year 0

**The Ruidoso Center of ENMU
DOE PREP Program Final Status Report - 1996**

I. Objectives

- a. to identify, involve and retain one hundred (100) students in the target audience
- b. to develop interest in and awareness of career opportunities in math, science and technology and in applied science programs such as medicine
- c. to encourage project participants and their parents/guardians to seriously consider selection of math, science and technical courses in middle school and high school
- d. to stay in school and to graduate from high school
- e. to increase project participant awareness of the extensive program and financial opportunities available for students to attend college and to select math, science or technical college courses and degree majors

II. Accomplishment of Objectives

While the project accomplished several of its short term objectives, only 53% of the desired number of students attended and completed the Summer camp. The objectives of familiarizing students with college and career opportunities were met with guest speakers at the VLA - National Radio Astronomy Observatory, the Energetic Materials Research and Testing Center (EMRTC) at New Mexico Institute of Mining and Technology, and the NSF Sunspot and Apache Point Observatories. Dr. Alan Hale, co-discoverer of the Hale-Bopp Comet, also worked with camp participants. Training in use of Powerpoint software and research on planetary astronomy via NASA web sites and the Hubble Telescope on the Internet also served to meet camp objectives.

III. Project Dates: June 10 - June 28, or July 8 - July 26, 1996

IV. Student Attendance

Session I:	Total: 25	<u>6th:</u> 1	<u>7th:</u> 9	<u>8th:</u> 13	<u>9th:</u> 2
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Female: 16	Male: 9	Native American: 0	Asian: 0	Black: 0	Hispanic 15
		Caucasian: 10	Alaskan Native: 0	Pacific Islander: 0	

Session II:	Total: 28	<u>6th:</u> 0	<u>7th:</u> 10	<u>8th:</u> 13	<u>9th:</u> 5
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Female: 18	Male: 10	Native American :6	Asian: 0	Black: 1	Hispanic: 8
		Caucasian: 13	Alaskan Native: 0	Pacific Islander: 0	

V. Staffing

Team Leader: Carla Burns, Staff: Becky Austin, Frieda Dickson, Ida Maldenado, Rick Overdorf

U. S. Department of Energy
PREP
Attendance Summary Sheet

To be filled out by the Project Director

Date: June 10 - 28, 1996

College or University: The Ruidoso Instruction Center of Eastern NM University

Project Director: Dr. James Miller Jr.

Grant Number: DE_FC05-92ER 79066

1. Length of Summer Program: June 10 - 28, 1996

2. Total Number of Academic Year Days included: 0

3. Number of Class Hours: 7.5 Laboratory Hours: 30 Field Trip Hours: 47

4. Number of Applicants: 30

5. Number of Participants: Summer: 25 Academic Year: 0

6. Number of Participants by Grade Level: 6th 1 7th 9 8th 13 9th 2
10th 0

7. Number of Female Participants: 16

American Indian 0 Asian 0 Black 0 Hispanic 10 Caucasian 6
Alaskan Native 0 Pacific Islander 0

8. Number of Male Participants: 9

American Indian 0 Asian 0 Black 0 Hispanic 5 Caucasian 4
Alaskan Native 0 Pacific Islander 0

9. Number enrolling in science-based program in Academic Year 0

U. S. Department of Energy
PREP
Attendance Summary Sheet

To be filled out by the Project Director

Date: July 8 - 26, 1996

College or University: Ruidoso Instruction Center of Eastern NM University

Project Director: Dr. James Miller Jr.

Grant Number: DE-FG05-92ER 79066

1. Length of Summer Program: July 8 to July 26, 1996

2. Total Number of Academic Year Days included: 0

3. Number of Class Hours: 7.5 Laboratory Hours: 30 Field Trip Hours: 49

4. Number of Applicants: 31

5. Number of Participants: Summer: 28 Academic Year: _____

6. Number of Participants by Grade Level: 6th 0 7th 10 8th 13 9th 5
10th _____

7. Number of Female Participants: 18

American Indian 5 Asian 0 Black 1 Hispanic 5 Caucasian 7
Alaskan Native 0 Pacific Islander 0

8. Number of Male Participants: 10

American Indian 1 Asian 0 Black 0 Hispanic 3 Caucasian 6
Alaskan Native 0 Pacific Islander 0

9. Number enrolling in science-based program in Academic Year 0