

APPENDIX IV



Titles of Lectures and Activities

2017-2018 02-04

2018-2019 05-09

2019-2020 10-13

2020-2021 14-16

2021-2022 17-18

2022-2023 19-22

This section gives the detailed report of all the lectures and activities that were conducted throughout the academic years.

Titles of Lectures and Activities 17-18

1.	EXPLORING SERIES WIRING
2.	PARASITES: ARE WE TRAVELING ALONE?
3.	SQUID DISSECTION
4.	REFLEXES AND SENSES
5.	MELTING POINT
6.	CHEMISTRY: ROCKS AND MINERALS
7.	NURSING: LUNGS AND HEARTS
8.	MOTION SENSORS AND ROVER, ROVER, ROVER, SEND CODY RIGHT OVER
9.	MATH-YOU CAN COUNT ON IT
10.	ROCKS AND MINERALS
11.	FOSSILS-MONSTERS OF THE PAST
12.	MECHANICS
13.	ASTRONOMY
14.	OPTICS AND ELECTRICITY

15.	SAFETY BOARD-PACIFIC GAS AND ELECTRIC
16.	ANIMAL ADAPTATIONS AND ENDANGERED CRITTERS
17.	DINNING WITH PARASITES
18.	LIFE IN COLD BLOOD
19.	WILDLIFE IN THE SAN JOAQUIN VALLEY: VIDEO- HIDDEN IN PLAIN VIEW
20.	CODING WITH ROBOTS: BASIC CODING
21.	LUNGS
22.	WE ARE ALL MADE OF CELLS
23.	COLORING SCIENCE
24.	CHEMISTRY OF MINERALS
25.	MAGNETITE FROM SAND
26.	ROCKS AND MINERALS SCAVENGER HUNT
27.	CHEMICAL ELEMENTS OF THE EARTH'S CRUST

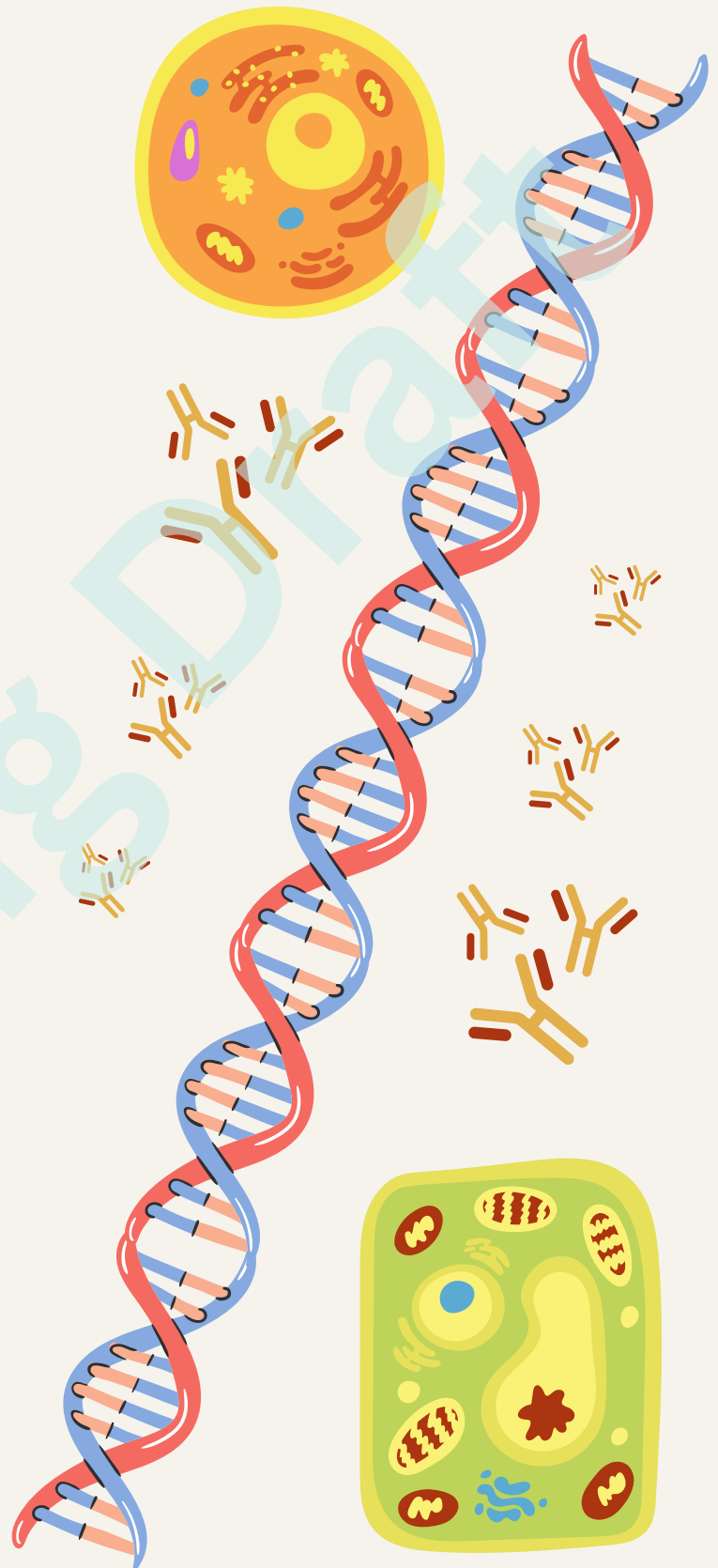
Titles of Lectures and Activities 17-18 (Cont.)

28.	GEOCHEMICAL EXPLORATION
29.	MICROBES ARE EVERYWHERE
30.	GREENHOUSE TOURS
31.	CALIFORNIA PATHWAYS TOURS
32.	CALIFORNIA PATHWAYS: GEOCACHING THE PATHWAYS
33.	WATER AND ELECTRICITY: TURLOCK IRRIGATION DISTRICT
34.	SOLAR SUITCASE: DUTCHER MIDDLE SCHOOL
35.	HOW SCIENCE AFFECTS AGRICULTURE: NATIONAL AG SCIENCE CENTER
36.	GET PSYCHED: THE SCIENCE OF PSYCHOLOGY AND CHILD DEVELOPMENT
37.	FORENSIC BIOTECH PROGRAM: ENOCHS HIGH SCHOOL
38.	ROBOTS IN HEALTHCARE
39.	HANDS-ON CPR
40.	THE DIGESTIVE SYSTEM AND MAKING POO

41.	HEARTS
42.	CODING AND STEM THROUGH TI TECHNOLOGY
43.	CHEMISTRY ROCKS!
44.	OUT OF THIS WORLD: ASTRONOMY NIGHT
45.	SCIENCE OLYMPIAD WARMUP: CHEMISTRY LAB
46.	SCIENCE OLYMPIAD WARMUP: DISEASE DETECTIVE
47.	SCIENCE OLYMPIAD WARMUP: MICROBE MISSION
48.	SCIENCE OLYMPIAD WARMUP: WRITE-IT/DO IT
49.	SCIENCE OLYMPIAD WARMUP: ANATOMY AND PHYSIOLOGY
50.	SCIENCE OLYMPIAD WARMUP: FORENSICS
51.	CODING WITH ROBOTS: CODING, MAZES, AND COLORING
52.	GREEN ENERGY TECHNOLOGY

Titles of Lectures and Activities 17-18 (Cont.)

53.	GREEN ENERGY TECHNOLOGY
54.	HAVING FUN WITH ELECTRICITY
55.	MICROSCOPES POWERED BY SOLAR ENERGY
56.	WEATHERING AND EROSION
57.	SOLAR SUITCASE: GLOBAL ENERGY/ACCESS
58.	SOLAR SUITCASE: SOLAR 101
59.	SOLAR SUITCASE: BASIC ELECTRICITY FOR SOLAR
60.	SOLAR SUITCASE: SYSTEM WIRING
61.	SOLAR SUITCASE: SYSTEM ASSEMBLY
62.	DELHI LAB: PREDATOR-PREY POPULATION SIZE RELATIONSHIPS
63.	DELHI LAB: CHROMOSOMES AND KARYOTYPES
64.	DELHI LAB: DNA STRUCTURE



Titles of Lectures and Activities 18-19

1.	BIOLOGY IN YOUR BACKYARD: BOTANY
2.	BIOLOGY IN YOUR BACKYARD: HERPETOLOGY
3.	BIOLOGY IN YOUR BACKYARD: ICHTHYOLOGY
4.	BIOLOGY IN YOUR BACKYARD: MAMMALOLOGY AND ORNITHOLOGY
5.	BIOLOGY IN YOUR BACKYARD: ENTOMOLOGY
6.	PHYSICS: MECHANICAL MOTION
7.	PHYSICS: WAVES, SOUNDS, AND BUOYANCY
8.	PHYSICS: TREBUCHET
9.	PHYSICS: ELECTRICITY
10.	PHYSICS: MAGNETISM
11.	PHYSICS: OPTICS
12.	CHEMISTRY: BUILDING SPECTROPHOTOMETER
13.	CHEMISTRY: IDENTIFY ELEMENTS FOUND IN THE SPACE

14.	CHEMISTRY: OBSERVING LIGHT FROM ATOMS AND MOLECULES WHEN HEATED TO GLOWING
15.	BRIDGES AND STRUCTURES
16.	BRIDGE BUILDING WITH 3D PEN
17.	INTRODUCTION TO ENGINEERING SOFTWARE
18.	SCIENCE OLYMPIAD WARMUP: TITRATION
19.	SCIENCE OLYMPIAD WARMUP: HEAT AND THERMOMETER
20.	SCIENCE OLYMPIAD WARMUP: IONIC SOLUTIONS
21.	SCIENCE OLYMPIAD WARMUP: SOLUBILITY
22.	SCIENCE OLYMPIAD WARMUP: DILUTIONS
23.	SCIENCE OLYMPIAD WARMUP: BENEDICT'S SOLUTION
24.	SCIENCE OLYMPIAD WARMUP: IDENTIFYING SOLUTIONS
25.	SCIENCE OLYMPIAD WARMUP: FOR ELEMENTARY SCHOOL: DEEP BLUE SEA

Titles of Lectures and Activities 18-19 (Cont.)

26.	SCIENCE OLYMPIAD WARMUP FOR ELEMENTARY SCHOOL: CATAPULT
27.	SCIENCE OLYMPIAD WARMUP FOR ELEMENTARY SCHOOL: BRIDGE BUILDING
28.	SCIENCE OLYMPIAD WARMUP FOR ELEMENTARY SCHOOL: STRAW EGG DROP
29.	SCIENCE OLYMPIAD WARMUP FOR ELEMENTARY SCHOOL: KNOCK, KNOCK, WHO'S THERE?
30.	SCIENCE OLYMPIAD WARMUP FOR ELEMENTARY SCHOOL: WRITE IT, DO IT
31.	SCIENCE OLYMPIAD WARMUP FOR ELEMENTARY SCHOOL: CRIME BUSTERS
32.	SCIENCE OLYMPIAD WARMUP FOR ELEMENTARY SCHOOL: ELEMENTS, COMPOUNDS, MIXTURES
33.	SCIENCE OLYMPIAD WARMUP FOR ELEMENTARY SCHOOL: PICTURE THIS ROOM
34.	SCIENCE OLYMPIAD WARMUP FOR ELEMENTARY SCHOOL: MYSTERY ARCHITECTURE

35.	FALL LEAF CHROMATOGRAPHY
36.	MEAL WORM ENVIRONMENT
37.	DIRTY WATER CLEAN-UP
38.	MICROSCOPE LAB: LEARN HOW TO USE A MICROSCOPE
39.	MICROSCOPES LAB: LEARN THE DIFFERENCE BETWEEN DISSECTING AND LIGHT MICROSCOPE
40.	CIRCUITS
41.	BOTTLE CAP BOTS
42.	SHEEP HEART
43.	OZOBOTS: CREATE YOUR OWN
44.	GREENHOUSE TOUR
45.	TRANS-CALIFORNIA PATHWAY TOUR
46.	WATER PLANT TOUR
47.	LIFE IN A CELL
48.	BAGGY IN A CELL

Titles of Lectures and Activities 18-19 (Cont.)

49.	MICROSCOPE LAB: LEARN THE DIFFERENCE BETWEEN PLANT AND ANIMAL CELLS
50.	OZOBOTS: MAZE
51.	DELHI MEDICAL ACADEMY LAB: MUSCLE ACTIVITY USING EMG PROGRAM
52.	DELHI MEDICAL ACADEMY LAB: ATHLETICS GENE USING BLASTX
53.	DELHI MEDICAL ACADEMY CONFERENCE: SPECTROPHOTOMETERS & THE UNIVERSE
54.	DELHI MEDICAL ACADEMY CONFERENCE: MOLECULES & LIGHT
55.	DELHI MEDICAL ACADEMY CONFERENCE: HOW AND WHY TO BECOME A NURSE
56.	DELHI MEDICAL ACADEMY CONFERENCE: EVOLUTION
57.	DELHI MEDICAL ACADEMY CONFERENCE: DAPHNIA ON DRUGS
58.	DELHI MEDICAL ACADEMY CONFERENCE: VIRTUAL IMMUNOLOGY LAB

59.	HAVING FUN WITH ELECTRICITY
60.	MICROSCOPES POWERED BY SOLAR ENERGY
61.	WEATHERING AND EROSION
62.	SOLAR SUITCASE: GLOBAL ENERGY/ACCESS
63.	SOLAR SUITCASE: SOLAR 101
64.	SOLAR SUITCASE: BASIC ELECTRICITY FOR SOLAR
65.	SOLAR SUITCASE: SYSTEM WIRING
66.	SOLAR SUITCASE: SYSTEM ASSEMBLY
67.	TELEPRESENCE ROBOTS
68.	DRONES AND 3-D PRINTING
69.	MATH-IT'S NOT JUST BUBBLES!
70.	ROCKS AND MINERALS
71.	FOSSILS AND OTHER DEAD THINGS
72.	THE PHYSICAL WORLD

Titles of Lectures and Activities 18-19 (Cont.)

73.	OPTICS AND ELECTRICITY
74.	ENDANGERED SPECIES AND ANIMAL ADAPTATIONS
75.	PARASITES
76.	LIFE IN COLD BLOOD: DINOS TO NOW
77.	GET PSYCHED: THE SCIENCE OF PSYCHOLOGY AND CHILD DEVELOPMENT
78.	YOUR VOCAL CORDS
79.	CELLS ALIVE
80.	COLORING SCIENCE
81.	ELEMENTS OF THE UNIVERSE
82.	CHEMISTRY IS OUT OF THIS WORLD!
83.	CHEMISTRY ELEMENTARY OF THE EARTH'S CRUST
84.	MICROBES ARE EVERYWHERE
85.	GEOCOACHING THE PATHWAY
86.	KNOW YOUR VEGETABLES

88.	SOLAR TELESCOPE AND NORTH OBERVATORY
89.	WOMEN IN SCIENCE
90.	ROVER, ROVER SEND CODY RIGHT OVER
91.	CODING WITH OZOBOTS
92.	ENOCHS HIGH SCHOOL FORENSIC BIOTECH PROGRAM
93.	ROBOTS IN HEALTHCARE
94.	HANDS-ONLY CPR
95.	THE DIGESTIVE SYSTEM AND MAKING POO
96.	HEARTS
97.	pH LAB
98.	CHEEK BAGGIE MODEL
99.	LEARN MORE ABOUT REPTILES
100.	HOW SMALL IS A NANO?
101.	HOW SMALL IS A NANO?

Titles of Lectures and Activities 18-19 (Cont.)

102.	BIOPAC USED TO MEASURE RESPIRATION
103.	ONLINE EVOLUTION STIMULATION LAB
104.	HOW TO RECYCLE AND MAKE NEW PAPER
105.	DENSITY COLUMN
106.	THE GREAT KETCHUP CAPER



Titles of Lectures and Activities 19-20

1.	VIP COLLEGE DAY: CHEMILUMINESCENCE
2.	VIP COLLEGE DAY: DNA EXTRACTION FROM STRAWBERRIES
3.	VIP COLLEGE DAY: STEM POSTER PRESENTATIONS
4.	VIP COLLEGE DAY: MICROSCOPE LAB
5.	YO PUEDO: pH Lab
6.	YO PUEDO: STEM CAREERS
7.	FARMER'S MARKET: OZOBOTS
8.	FARMER'S MARKET: CHEEK CELL DNA
9.	FARMER'S MARKET: ANIMAL AND PLANT CELL
10.	SCIENCE SATURDAY: GEOGRAPHICAL INFORMATIONAL SYSTEMS
11.	JUNIOR SCIENTIST: PUMP IT UP
12.	SCIENCE SATURDAY: MARVELOUS METALS
13.	DELHI MEDICAL CONFERENCE; BLOOD COMPOSITION

14.	DELHI MEDICAL CONFERENCE: MICROORGANISMS AND PLAQUE
15.	DELHI MEDICAL CONFERENCE: ALCHEMIST'S GOLD
16.	DELHI MEDICAL CONFERENCE: EXPLORE THE MAGNETIC PROPERTIES OF IRON
17.	DELHI MEDICAL CONFERENCE: EKG LAB
18.	DELHI MEDICAL CONFERENCE: ANATOMY LAB
19.	DELHI MEDICAL CONFERENCE: RESPIRATION AND ACID BASE BALANCE
20.	DELHI MEDICAL CONFERENCE: SUTURING LAB
21.	SPECIAL EVENT: TRANSIT OF MERCURY
22.	ASTRONOMY NIGHT: SOLAR SYSTEM POSTERS
23.	ASTRONOMY NIGHT: ASTRONOMY SHORTS
24.	ASTRONOMY NIGHT: KID ZONE

Titles of Lectures and Activities 19-20 (Cont.)

25.	ASTRONOMY NIGHT: SPECTROLOGY LAB
26.	ASTRONOMY NIGHT: COMPUTATIONAL LAB
27.	ASTRONOMY NIGHT: RADIATION LAB
28.	ASTRONOMY NIGHT: DEBUNKING A CONSPIRACY
29.	ASTRONOMY NIGHT: CRASH COURSE IN OPTICS
30.	ASTRONOMY NIGHT: NARAGHI TELESCOPES
31.	ASTRONOMY NIGHT: CLIMATE CHANGE PRESENTATION
32.	ASTRONOMY NIGHT: GAME ROOM
33.	ASTRONOMY NIGHT: OUT OF THIS WORLD
34.	ASTRONOMY NIGHT: EXPLORE THE STARS
35.	SCIENCE SATURDAY: ASTRONOMY NIGHT
36.	JUNIOR SCIENTIST: CANDY CANE LAB

37.	JUNIOR SCIENTIST: CODING LAB
38.	SCIENCE SATURDAY: SAVE OUR HOME
39.	SCIENCE DAY: TELEPRESENCE ROBOTS
40.	SCIENCE DAY: A/R
41.	SCIENCE DAY: 3D PRINTING, AND MORE
42.	SCIENCE DAY: SCIENCE SHORTS
44.	SCIENCE DAY: MATH- IT IS NOT JUST BUBBLES
45.	SCIENCE DAY: PHYSICS DEMONSTRATION
46.	SCIENCE DAY: SOLAR OBSERVING
47.	SCIENCE DAY: OPTICS AND ELECTRICITY
48.	SCIENCE DAY: WOMEN IN SCIENCE
49.	SCIENCE DAY: ROVER, ROVER, SEND CHRIS RIGHT OVER

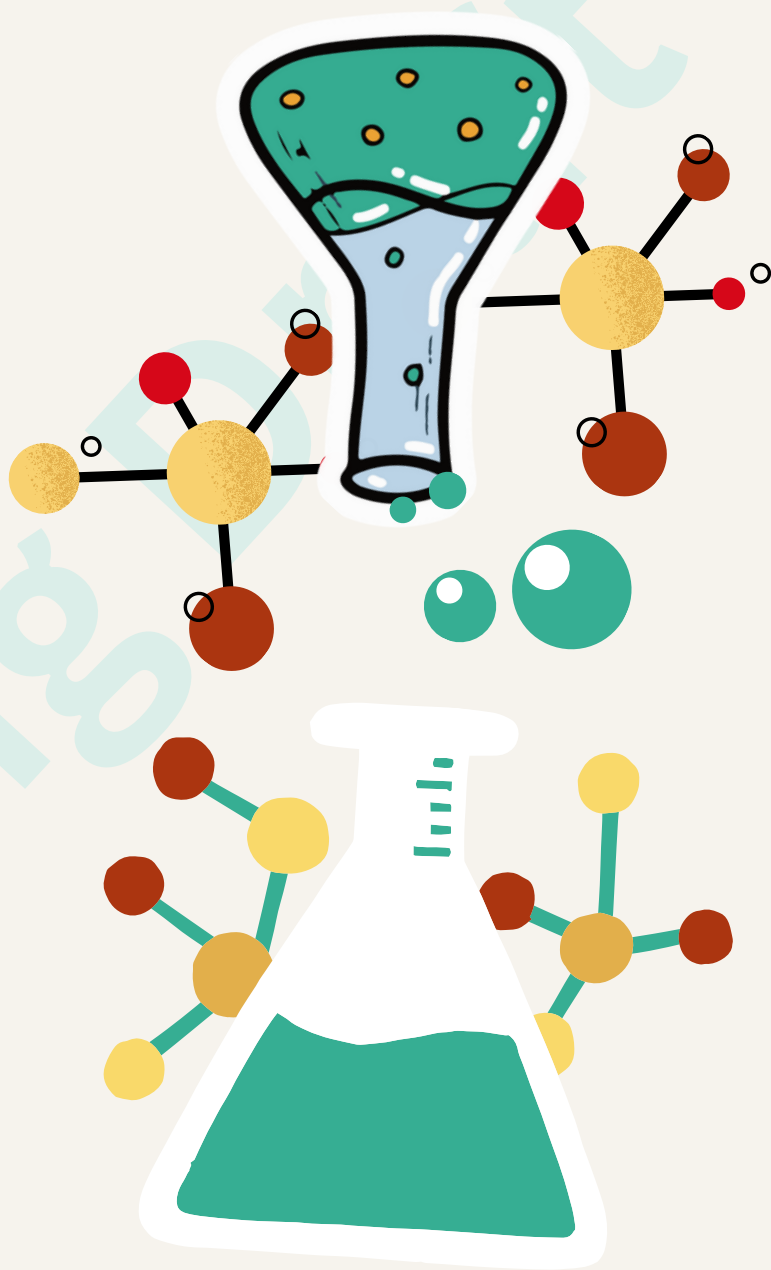
Titles of Lectures and Activities 19-20 (Cont.)

50.	SCIENCE DAY: CODING WITH OZOBOTS
51.	SCIENCE DAY: EMANUEL ROBOTS
52.	SCIENCE DAY: MAKE AND TAKE YOUR WAY TO SCIENCE FUN!
53.	SCIENCE DAY: BOILING AND UNBOILING EGGS WITHOUT HEAT!
54.	SCIENCE DAY: ROBOT PROGRAMMING
55.	SCIENCE DAY: ENDANGERED SPECIES
56.	SCIENCE DAY: LIFE IN COLD BLOOD-DINOS TO NOW
57.	SCIENCE DAY: FOOD PARASITES
58.	SCIENCE DAY: SCIENTIST SUBSTANCE MAKING & RECYCLABLE BUILDING
59.	SCIENCE DAY: HOW TO TRAIN YOUR PIGEON
60.	SCIENCE DAY: GET PSYCHED: THE SCIENCE OF PSYCHOLOGY AND CHILD DEVELOPMENT
61.	SCIENCE DAY: SKELETONS

62.	SCIENCE DAY: THE AMAZING CELL
63.	SCIENCE DAY: COLORING SCIENCE
64.	SCIENCE DAY: HIGH FIDELITY SIMULATION
65.	SCIENCE DAY: CPR
66.	SCIENCE DAY: COW HEARTS
67.	SCIENCE DAY: MAKING POOP
68.	SCIENCE DAY: MAGNETIC FIELD AND FERROUS METALS
69.	SCIENCE DAY: IS THERE IRON IN YOUR CEREAL?
70.	SCIENCE DAY: MAKE A COMPASS
71.	SCIENCE DAY: TINY CREATURES ARE EVERYWHERE
72.	SCIENCE DAY: OPTICS AND OPTICAL ILLUSIONS
73.	SCIENCE DAY: 16TH CENTURY ALCHEMY MARVELOUS METALS
74.	SCIENCE DAY: TOUR YOUR HEART

Titles of Lectures and Activities 19-20 (Cont.)

75.	SCIENCE DAY: SOLAR TELESCOPE AND NORTH OBSERVATORY
76.	SCIENCE DAY: PLANT YOUR OWN SEEDS & GREENHOUSE TOURS
77.	SCIENCE DAY: GEOCACHING NATIVE PLANTS
78.	SCIENCE DAY: TURLOCK IRRIGATION DISTRICT
79.	SCIENCE DAY: NATIONAL AF SCIENCE CENTER
80.	SCIENCE DAY: WOW 2 STEM TRANSFER SUCCESS INFO TABLE
81.	SCIENCE DAY: KNOW YOUR VEGETABLES
82.	SCIENCE DAY: HEART
83.	SCIENCE DAY: ENOCHS HIGH SCHOOL FORENSIC: BIOTECH PROGRAM
84.	SCIENCE DAY: LEARN MORE ABOUT REPTILES
85.	SCIENCE DAY: CELL BAGGIE MODEL



Titles of Lectures and Activities 20-21

1.	JUNIOR SCIENTIST: EXPLODING PUMPKINS
2.	JUNIOR SCIENTIST: STRAW ROCKET
3.	SCIENCE SATURDAY: CODING FOR KIDS
4.	SCIENCE SATURDAY: MAKING GLUE AT HOME
5.	JUNIOR SCIENTIST: ROCK CANDY
6.	SCIENCE DAY: THE SCIENCE BEHIND SUGAR CONSUMPTION IN OUR WESTERN DIETS
7.	SCIENCE DAY: EXPLORE GLOW IN THE DARK CELLS
8.	SCIENCE DAY: THE GOOGLE TRIVIA GAME
9.	SCIENCE DAY: SOLAR OBSERVING
10.	SCIENCE DAY: HOMEMADE SLIME
11.	SCIENCE DAY: GEOCACHING
12.	SCIENCE DAY: GREENHOUSE: BROMELIADS

13.	SCIENCE DAY: GREENHOUSE: CACTI
14.	SCIENCE DAY: GREENHOUSE: MOSS
15.	SCIENCE DAY: GREENHOUSE: SENSITIVE PLANTS
16.	SCIENCE DAY: GREENHOUSE: OVERVIEW
17.	SCIENCE DAY: SUPERNOVA
18.	SCIENCE DAY: TELESCOPE TOURS
19.	SCIENCE DAY: CHEMISTRY ART GALLERY
20.	SCIENCE DAY: SOBA (STUDENT ORGANIZATION FOR BEHAVIOR ANALYSIS)
21.	SCIENCE DAY: COW HEARTS
22.	SCIENCE DAY: CPR (CARDIOPULMONARY RESUSCITATION)
23.	SCIENCE DAY: THE DIGESTIVE SYSTEM-MAKING POO
24.	SCIENCE DAY: MAKING HOMEMADE BIRD FEEDERS

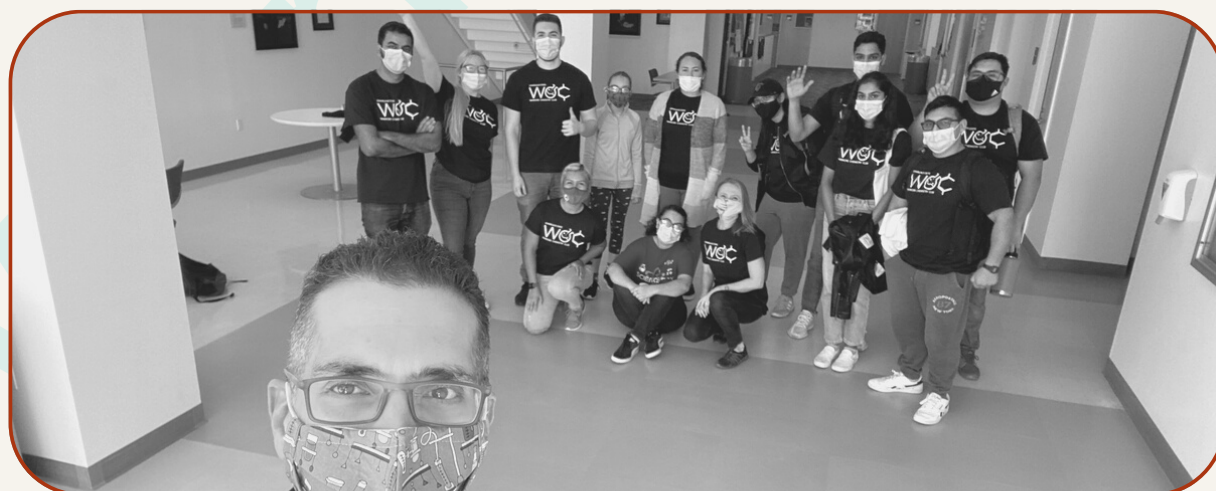
Titles of Lectures and Activities 20-21 (Cont.)

25.	SCIENCE DAY: MAKING MOON SAND
26.	SCIENCE DAY: MAKING SMOOTHIES
27.	SCIENCE DAY: MAKING SENSORY PLAYDOUGH
28.	SCIENCE DAY: MAKING EDIBLE OOBLECK
29.	SCIENCE DAY: MAKING APPLE PIE BITES
30.	SCIENCE DAY: HEAVY VS. LIGHT
31.	SCIENCE DAY: LOOSE PART ENGINEERING
32.	SCIENCE DAY: NATURE SUNCATCHERS
33.	SCIENCE DAY: PUMPKIN EXPLORATION
34.	SCIENCE DAY: PSI CHI SCIENCE DAY
35.	SCIENCE DAY: ABSORPTION OF LIGHT
36.	SCIENCE DAY: MOLECULES & THEIR INTERNAL VIBRATIONS

37.	SCIENCE DAY: STANISLAUS NATIONAL FOREST LEND A HAND CORE FOR THE LAND!
38.	SCIENCE DAY: SIMULATION LAB
39.	SCIENCE DAY: FRICTION
40.	SCIENCE DAY: A BRIEF HISTORY OF HOME VIDEOGAMES
41.	SCIENCE DAY: WOMEN IN STEAM
42.	SCIENCE DAY: CHOOSE YOUR OWN ADVENTURE STORY IN HTML
43.	SCIENCE DAY: COMPUTER NUMERICAL CONTROL
44.	SCIENCE DAY: THE FUTURE OF ATTENDANCE
45.	SCIENCE DAY: POWER SHELL YOU CAN MAKE YOUR PC TALK
46.	VIRTUAL SCIENCE ACTIVITY: AGUES BATIST ELEMENTARY SCHOOL
47.	VIRTUAL SCIENCE ACTIVITY 1: WAKEFIELD CLASS 1

Titles of Lectures and Activities 20-21 (Cont.)

48.	VIRTUAL SCIENCE ACTIVITY 1: WAKEFIELD CLASS 1
49.	VIRTUAL SCIENCE ACTIVITY 1: WAKEFIELD CLASS 1



Titles of Lectures and Activities 21-22

1.	MAKE A MARKER MAN FLOAT
2.	MOLECULES HOW THEY WORK: POLARITY AND DIFFERENT TYPES OF BONDING
3.	FAST OR SLOW...CHEMISTRY MAKES IT GO!
4.	ASTRONOMY NIGHT: MOON, VENUS, JUPITER, AND SATURN
5.	BUILD A WIND POWERED CAR
6.	HOW TO MAKE ROCK CANDY
7.	BUILDING PROTEINS
8.	EXPLORING BIOLOGY
9.	ASTRONOMY NIGHT: MOON AND ORION NEBULA
10.	FUN WITH SCIENCE NIGHT!: OZOBOTS
11.	FUN WITH SCIENCE NIGHT!: COLORING PAGES
12.	SOLAR SUITCASE: GLOBAL ENERGY/ACCESS
13.	SOLAR SUITCASE: SOLAR 101

14.	SOLAR SUITCASE: BASIC ELECTRICITY FOR SOLAR
15.	SOLAR SUITCASE: SYSTEM WIRING
16.	SOLAR SUITCASE: SYSTEM ASSEMBLY
17.	SOLAR SUITCASE: DESIGN YOUR OWN SOLAR SYSTEM
18.	SCIENCE DAY: BUG TO DYE FOR!
19.	SCIENCE DAY: CELEBRATE EARTH MONTH
20.	SCIENCE DAY: CHEMISTRY GOES POP!
21.	SCIENCE DAY: HEALTHY LIFESTYLE
22.	SCIENCE DAY: INTRODUCTION TO ARTIFICIAL INTELLIGENCE (A.I.)
23.	SCIENCE DAY: NURSING SIMULATION LAB
24.	SCIENCE DAY: PAPER TOWER

Titles of Lectures and Activities 21-22 (Cont.)

25.	SCIENCE DAY: PRESSING PLANT SPECIMENS
26.	SCIENCE DAY: SOLAR OBSERVATION
27.	SCIENCE DAY: VOLCANO MAKING-CHEMICAL REACTIONS
28.	SCIENCE DAY: EFFICIENT VISUALIZATION OF BIG DATA ANALYSIS USING SHINY APPLICATION
29.	SCIENCE DAY: ARTIFICIAL INTELLIGENCE ROBOT PROGRAMING WITH COZMO
30.	SCIENCE DAY: HOW DRONES FLY
31.	SCIENCE DAY: SENSORS AND DRONES
32.	SCIENCE DAY: INTRODUCTION TO VIRTUAL REALITY
33.	SCIENCE DAY: ORAL HEALTH AND HYGIENE
34.	SCIENCE DAY: CHARACTER STRENGTHS AND AFFIRMATIONS
35.	SCIENCE DAY: PAPER BRIDGE CONSTRUCTION

36.	SCIENCE DAY: MASTERMIND
37.	SCIENCE DAY: SOUND WAVES AND MUSIC
38.	SCIENCE DAY: KRYPTO! (CARD GAME)
39.	SCIENCE DAY: 4 WAY COUNTDOWN-JR. VERSION
40.	SCIENCE DAY: 4 WAY COUNTDOWN
41.	SCIENCE DAY: HANG 10
42.	SCIENCE DAY: MATCHSTICKS PUZZLES
43.	SCIENCE DAY: PTC: TASTE TEST
44.	HOW TO MAKE WATER WALK?
45.	PROJECT 13: CELL-BAGGY LAB
46.	PROJECT 13: ANIMAL LAB
47.	PROJECT 13: SUSTAINABLE GARDEN TOUR

Titles of Lectures and Activities 22-23

1	ASPIRE 4 PALS: SOLAR SUITCASE
2	JUNIOR SCIENTIST-OSBORN ELEMENTARY SCHOOL: MAKE A MARKER MAN FLOAT
3	JUNIOR SCIENTIST-CUNNINGHAM ELEMENTARY SCHOOL: MAKE A MAKER MAN FLOAT
4	JUNIOR SCIENTIST-WAKEFIELD ELEMENTARY SCHOOL: MAKE A MAKER MAN FLOAT
5	FARMER'S MARKET: HOW TO MAKE A MARKER MAN FLOAT
6	FARMER'S MARKET: MICROSCOPE ORGANISM DISPLAY
7	FARMER'S MARKET: COLORING PAGES
8	JUNIOR SCIENTIST-OSBORN ELEMENTARY SCHOOL: WAVES & FREQUENCY
9	JUNIOR SCIENTIST-CUNNINGHAM ELEMENTARY SCHOOL: WAVES & FREQUENCY
10	JUNIOR SCIENTIST-WAKEFIELD ELEMENTARY SCHOOL: WAVES & FREQUENCY
11	SCIENCE SATURDAY:FABULOUS FIBERS
12	ASTRONOMY NIGHT: ROTATING IMAGES AND SHORT TALKS
13	ASTRONOMY NIGHT: MAKE YOUR OWN STRAW ROCKET
14	ASTRONOMY NIGHT: MAKE YOUR OWN PLANET

15	ASTRONOMY NIGHT: MAKE YOUR ASTRONANUT FLOAT
16	ASTRONOMY NIGHT:WHAT DID HUBBLE SEE ON YOUR BIRTHDAY
17	ASTRONOMY NIGHT: DIFFRACTION GRATINGS AND LAMPS
18	ASTRONOMY NIGHT: COSMIC RAY DETECTOR
19	ASTRONOMY NIGHT: SCALE MODEL OF SOLAR SYSTEM
20	ASTRONOMY NIGHT: TELESCOPES OUTSIDE
21	ASTRONOMY NIGHT: ROOD TELESCOPE
22	BIRD WALK1
23	BIRD WALK 2
24	DELHI MEDICAL ACADEMY: EKG
25	DELHI MEDICAL ACADEMY: CELLS, LOOKING UNDER THE MICROSCOPE
26	ENVIRONMENTAL COMMUNITY RESOURCES FAIR: OZOBOTS
27	ENVIRONMENTAL COMMUNITY RESOURCES FAIR: COLORING PAGES
28	JUNIOR SCIENTIST-CUNNINGHAM ELEMENTARY SCHOOL: CELL BAGGIE MODEL
29	JUNIOR SCIENTIST-OSBORN ELEMENTARY SCHOOL: CELL BAGGIE MODEL
30	JUNIOR SCIENTIST-WAKEFIELD ELEMENTARY SCHOOL: CELL BAGGIE MODEL

Titles of Lectures and Activities 22-23 (Cont.)

31	BIRD WALK 3
32	SCIENCE DAY: VIDEO SHORTS
33	SCIENCE DAY: MATH TO INFINITY BEYOND!
34	SCIENCE DAY: PHYSICS DEMONSTRATIONS
35	SCIENCE DAY: ELECTRICITY AND OPTICS SHOW
36	SCIENCE DAY: THE OFFICE OF INFORMATION ON TECHNOLOGY (OIT)
37	SCIENCE DAY: WARRIOR FAB LAB
38	SCIENCE DAY: AVIAN ADVENTURE
39	SCIENCE DAY: PALEONTOLOGIST FOR THE DAY
40	SCIENCE DAY: LIFE IN COLD BLOOD
41	SCIENCE DAY: CREATE YOUR OWN "MARSHMOOUTH"
42	SCIENCE DAY: THE SCIENCE BEHIND SLIME
43	SCIENCE DAY: INVESTIGATING THE HUMAN BODY: LEARNING ABOUT YOUR HEART, LUNGS, AND SKELETON
44	SCIENCE DAY: CELL ALIVE!
45	SCIENCE DAY: COLOR OF SCIENCE
46	SCIENCE DAY: LEARN ABOUT INVASIVE SPECIES
47	SCIENCE DAY: MOSQUITOES AND MOSQUITO DISESES
48	SCIENCE DAY: MATH ACTIVITIES

49	SCIENCE DAY: RECYCLING & COMPOSING
50	SCIENCE DAY: CLIMATE CHANGE AND YOU
51	SCIENCE DAY: WANT TO TEACH SCIENCE?
52	SCIENCE DAY: INSITE-THE INSTITUTE FOR SYMBIOTIC, INTERACTIONS, TEACHING, AND EDUCATION IN THE FACE OF A CHANGING CLIMATE
53	SCIENCE DAY: HOW TO JUDGE A LIQUID USING NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY
54	SCIENCE DAY: DART MASS SPECTROSCOPY
55	SCIENCE DAY: PUT YOUR FABRIC TO THE TEST
56	SCIENCE DAY: IT'S ELECTRIC
57	SCIENCE DAY: CHEEK CELL SLIDES
58	SCIENCE DAY: ARE YOU STRONGER THAN COTTON?
59	SCIENCE DAY: PERIODIC TABLE
60	SCIENCE DAY: CHEMISTRY GOES POP!
61	SCIENCE DAY: SOLAR OBSERVING
62	SCIENCE DAY: PLANT A MILKWEED ON TRANS-CA PATHWAY!
63	SCIENCE DAY: TOUR OF POLLINATOR GARDEN
64	SCIENCE DAY: POLLINATOR ART

Titles of Lectures and Activities 22-23 (Cont.)

65	SCIENCE DAY: NORTHERN SAN JOAQUIN NATIVE PLANT SPECIES (CNPS)
66	SCIENCE DAY: KNOW YOUR VEGETABLES
67	SCIENCE DAY: GREENHOUSE TOURS
68	SCIENCE DAY: WOMEN IN STEM
69	SCIENCE DAY: CODING WITH OZOBOTS
70	SCIENCE DAY: 3D PENS
71	SCIENCE DAY: FORENSIC BIOTECH ACADEMY
72	SCIENCE DAY: FLOATING ART
73	SCIENCE DAY: STRAW ROCKETS
74	SCIENCEDAY: THE ADMISSIONS AND OUTREACH SERVICES OFFICE
75	SCIENCE DAY: ASPIRE GRANT
76	SCIENCE DAY: CURL UP WITH A GOOD SCIENCE BOOK!
77	SCIENCE DAY: STEM AMBASSADORS
78	SCIENCE DAY: ROBOTS IN NURSING
79	SCIENCE DAY: PRACTICE MAKES PERFECT
80	SCIENCE DAY: ULTRASOUND, CAN YOU FIND MY HEART?
81	SCIENCE DAY: YOUR LUNGS WILL BLOW YOUR MIND WITH OUT MAKE A LUND ACTIVITY!
82	SCIENCE DAY: INTUITIVE ROBOT

83	SCIENCE DAY: SQUID DISSECTION
84	SCIENCE DAY: WARRIOR YOUTH PROGRAM INFORMATIONAL BOOTH
85	SCIENCE DAY: LET'S MAKE A BOUNCY BALL
86	SCIENCE DAY: CHEMISTRY REACTIONS
87	SCIENCE DAY: LAVA LAMP
88	SCIENCE DAY; DENSITY COLUMN
89	SCIENCE DAY: TORNANDO IN JAR
90	SCIENCE DAY: SURFACE TENSION
91	SCIENCE DAY: GETTING PSYCHED ABOUT THE SCIENCE OF PSYCHOLOGY
92	SCIENCE DAY: STANISLAUS AUDUBON SOCIETY
93	FUN WITH SCIENCE NIGHT: OZOBOTS
94	FUN WITH SCIENCE NIGHT: MICROSCOPE ORGANISM DISPLAY
95	FUN WITH SCIENCE NIGHT: STEM QUESTIONS
96	FUN WITH SCIENCE NIGHT: COLORING PAGES
97	FAMILY STEAM NIGHT: OZOBOTS
98	FAMILY STEAM NIGHT: MICROSCOPE ORGANISM DISPLAY

Titles of Lectures and Activities 22-23 (Cont.)

99	FAMILY STEAM NIGHT: STEM QUESTIONS
100	FAMILY STEAM NIGHT: COLORING PAGES
101	SPRING CARNIVAL: STRAW ROCKETS
102	SPRING CARNIVAL: STEM QUESTIONS
103	STEM SERIES: FAB LAB "CREATE A CUSTOM BUTTON & 3D PEN"
104	STEM SERIES: MAKE YOUR OWN CELL CHARM
105	BIRD WALK 4
106	STEM SERIES: OBSERVING MICROORGANISMS WITH MICROSCOPES
107	STEM SERIES: STRAWBERRY DNA EXTRACTION
108	STEM SERIES: GROW YOUR OWN GARDEN/FLOWERS & VEGETABLES
109	DELHI MEDICAL ACADEMY: ACID/BASE BALANCE
110	DELHI MEDICAL ACADEMY: EPIPEMIOLOGY
111	STEM SERIES: MAKE AN ATOMIC MODEL
112	STEM SERIES: ENGINEER A MARSHMALLOW TOWER
113	STEM SERIES: COLOR WITH CABBAGE PF OF ACIDS AND BASES
114	JUNIOR SCIENTIST-CUNNINGHAM ELEMENTARY SCHOOL: ROCK CANDY LAB



115	JUNIOR SCIENTIST-WAKEFIELD ELEMENTARY SCHOOL: ROCK CANDY LAB
116	STEM SERIES: MAKE A BLOOD MODEL
117	STEM SERIES: BUILD A NEURON!
118	STEM SERIES: BUILD A PROTEIN/MUTANT PROTEINS
119	BIRD WALK 5
120	CLASSROOM VISIT: STATE OF MATTER



Appendix Guide



Each of the appendix give more information and details on different areas listed below.

[Appendix I](#) Financial Highlights by Year

[Appendix II](#) K-12 Schools that Participants Came From

[Appendix III](#) Visual Representation of Outreach

[Appendix IV](#) Titles of Lectures and Activities

[Appendix V](#) Qualitive Data Collection from over the years

[Appendix VI](#) Staff & Team Members by Year

