



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF EDUCATION, CULTURE AND SPORTS
Munro Avenue, Pasig City

July 3, 1997

OFFICE OF THE SECRETARY

DECS MEMORANDUM

No. 245, s. 1997

TELECAST OF CONSTEL SCIENCE TELECOURSES IN 1997-1998


To: Undersecretaries
Assistant Secretaries
Bureau Directors
Regional Directors
Schools Superintendents

1. The Continuing Studies in Education via Television (CONSTEL) Science Telecourses for School Year 1997-98 consisting of 40 episodes per course will be aired every Saturday and Sunday through PTV-4 and its various provincial stations starting June 21, 1997. The inclosure contains the telecast schedules for the different episodes in the following courses:

- a. Physics in Everyday Life - 9:30-10:00 a.m. Saturdays
8:00-8:30 a.m. Sundays
- b. Chemistry in Action - 10:00-10:30 a.m. Saturdays
8:30-9:00 a.m. Sundays
- c. Science Made Easy - 10:30-11:00 a.m. Saturdays
9:00-9:30 a.m. Sundays

2. In line with the institutionalization of the monitoring and evaluation of CONSTEL, schools superintendents are enjoined to encourage the registration/continuous participation of science teachers in the elementary and secondary schools particularly those who are non-majors, and monitor quarterly their involvement by using CONSTEL Form 2 "Monitoring and Evaluation" specified in DECS Memorandum No. 232, s. 1995. A quarterly report of said monitoring should be forwarded to the regional office, copy furnished the BEE c/o Dr. Lidinila M. Luis-Santos or BSE c/o Dr. Alberto P. Mendoza.

3. Immediate and widest dissemination of this Memorandum is desired.


RICARDO T. GLORIA
Secretary

References:

DECS Memorandums: Nos. (232, s. 1995) and 82, s. 1997

Allotment: 1-2—(M.O. 1-87)

**To be indicated in the Perpetual Index
under the following subjects:**

OFFICIALS
SCIENCE EDUCATION
TEACHERS

Inclosure to DECS Memo _____

Telecast Schedule of CONSTEL Science Telecourses
People's Television Network, Inc.
School Year 1997 - 1998

A. PHYSICS IN EVERYDAY LIFE

9:30 - 10:00 am Saturdays

8:00 - 8:30 am Sundays

Airing date	Replay	Episode No.	Episode Title
June 21	June 22	1	THE WORLD OF PHYSICS
June 28	June 29	2	MEASUREMENTS
July 5	July 6	3	DESCRIBING MOTION
July 12	July 13	4	MOTION IN PICTURES
July 19	July 20	5	CHANGING MOTION
July 26	July 27	6	NEWTON ON ROAD MOTION
August 2	August 3	7	LAW OF ACCELERATION
August 9	August 10	8	INTERACTION
August 16	August 17	9	COLLISION
August 23	August 24	10	PROJECTILE MOTION
August 30	August 31	11	SATELLITE MOTION
September 6	September 7	12	SPACE FLIGHT
September 13	September 14	13	CONSERVATION OF ENERGY
September 20	September 21	14	MACHINE POWER
September 27	September 28	15	THE HUMAN MACHINE
October 4	October 5	16	ELASTICITY
October 11	October 12	17	STRUCTURE AND STRENGTH OF MATERIALS
October 18	October 19	18	FORCES IN FLUIDS
October 25	October 26	19	MOLECULAR MOTION
November 1	November 2	20	HEAT ENGINE
November 8	November 9	21	ELECTRICITY
November 15	November 16	22	PRACTICAL ELECTRICITY
November 22	November 23	23	ELECTRICAL HAZARDS AND SAFETY
November 29	November 30	24	CURRENT CARRYING WIRE
December 6	December 7	25	SWINGS AND MOTORS
December 13	December 14	26	CURRENTS FROM MAGNETS
December 20	December 21	27	POWER GENERATION AND TRANSMISSION
December 27	December 28	28	MECHANICAL WAVES
January 3	January 4	29	PROPERTIES OF WAVES
January 10	January 11	30	SOUND AND HEARING
January 17	January 18	31	MUSICAL SOUND
January 24	January 25	32	LIGHT, SIGHT AND COLOR
January 31	February 1	33	LENSES AT WORK
February 7	February 8	34	EM WAVES
February 14	February 15	35	TELECOMMUNICATION
February 21	February 22	36	PROTONS AND ELECTRONS
February 28	March 1	37	ELECTRONS PHOTOS AND TELEVISION
March 7	March 8	38	LASERS AND ITS APPLICATION
March 14	March 15	39	DISCRETE ELECTRONICS
March 21	March 22	40	LOGIC GATES

CHEMISTRY IN ACTION

10:00 - 10:30 am Saturdays

8:30 - 9:00 am Sundays

B.

Airing date	Replay	Episode No.	Episode Title
June 21	June 22	1	CHEMISTRY IS EVERYWHERE
June 28	June 29	2	WHAT IS CHEMISTRY?
July 5	July 6	3	MEASUREMENT IN SCIENCE
July 12	July 13	4	MEASURING AND CALCULATING
July 19	July 20	5	MIXTURES IN YOUR DAILY LIVES
July 26	July 27	6	SUBSTANCES WE USE
August 2	August 3	7	PHASES OF MATTER
August 9	August 10	8	KINETIC MOLECULAR THEORY (KMT)
August 16	August 17	9	CONDENSED PHASES OF MATTER
August 23	August 24	10	INDICATORS OF CHANGE
August 30	August 31	11	THE MODE
September 6	September 7	12	PATTERNS OF CHANGE
September 13	September 14	13	AND THE SOLUTION IS...
September 20	September 21	14	COLLOIDS, THE SPECIAL MIXTURES PART I
September 27	September 28	15	COLLOIDS, THE SPECIAL MIXTURES PART II
October 4	October 5	16	ENERGY CONSERVATION
October 11	October 12	17	ENERGY AND CHANGE
October 18	October 19	18	DIRECTION OF CHANGE
October 25	October 26	19	THE LAWS OF DISORDER
November 1	November 2	20	THE LIMITS OF CHANGE
November 8	November 9	21	RATES OF CHANGE
November 15	November 16	22	CHANGES IN EQUILIBRIUM SYSTEM
November 22	November 23	23	PLEASE PASS THE PROTONS: ACIDS AND BASES
November 29	November 30	24	THE ATOM: A VIEW FROM WITHIN
December 6	December 7	25	ELECTRONIC STRUCTURE OF THE ATOM
December 13	December 14	26	TRENDS IN PERIODIC PROPERTY
December 20	December 21	27	PERIODIC TABLE OF THE ELEMENTS
December 27	December 28	28	PUTTING ATOMS TOGETHER
January 3	January 4	29	BONDING AMONG MOLECULES
January 10	January 11	30	ELECTRICITY AND CHANGE
January 17	January 18	31	HYDROCARBONS
January 24	January 25	32	COMPOUNDS OF CARBON, HYDROGEN AND OXYGEN
January 31	February 1	33	PHENOLS, ETHERS AND ESTERS
February 7	February 8	34	HYDROCARBON DERIVATIVES
February 14	February 15	35	POLYMERS: THE GIANT MOLECULES
February 21	February 22	36	BIOMOLECULES AND REACTIONS IN LIVING CELLS
February 28	March 1	37	NUCLEIC ACIDS AND HEREDITY
March 7	March 8	38	CHANGES IN THE ATMOSPHERE
March 14	March 15	39	SOIL CHEMISTRY AND POLLUTION
March 21	March 22	40	WATER IN OUR ENVIRONMENT

C. SCIENCE MADE EASY

10:30 - 11:00 am Saturdays

9:00 - 9:30 am Sundays

Airing date	Replay	Episode No.	Episode Title
June 21	June 22	1	YOU ARE WONDERFULLY MADE
June 28	June 29	2	FOOD: WHERE DOES IT GO
July 5	July 6	3	THE BREATH OF LIFE
July 12	July 13	4	THE BODY'S TRANSPORT SYSTEM
July 19	July 20	5	THE HUMAN COMPUTER AND CONTROL CENTER
July 26	July 27	6	SUPPORT AND MOVEMENT
August 2	August 3	7	A NEW LIFE IS BORN
August 9	August 10	8	ANIMAL GROUPS: VERTEBRATES
August 16	August 17	9	ANIMAL GROUPS: INVERTEBRATES
August 23	August 24	10	ANIMAL STRUCTURE AND FUNCTION
August 30	August 31	11	ANIMAL HABITAT AND ADAPTATION
September 6	September 7	12	WHOSE BABIES ARE THESE?
September 13	September 14	13	NEEDS, CARE AND CONSERVATION
September 20	September 21	14	USES OF ANIMALS
September 27	September 28	15	PLANT STRUCTURE AND FUNCTION
October 4	October 5	16	TWIN PROCESSES OF LIFE
October 11	October 12	17	PLANT REPRODUCTION
October 18	October 19	18	PLANT HABITAT AND ADAPTATION
October 25	October 26	19	PLANT GROUPS
November 1	November 2	20	PLANT USES
November 8	November 9	21	THE FOREST COVER
November 15	November 16	22	SOLID, LIQUID, GAS
November 22	November 23	23	CHANGES
November 29	November 30	24	MATERIALS AT HOME
December 6	December 7	25	ENERGY: FORMS AND TRANSFORMATION
December 13	December 14	26	ELECTROMAGNETIC WAVES
December 20	December 21	27	CHEMICAL ENERGY
December 27	December 28	28	SOUND
January 3	January 4	29	USING ELECTRICITY
January 10	January 11	30	MACHINES
January 17	January 18	31	TRANSPORTATION
January 24	January 25	32	HEAT AND TEMPERATURE
January 31	February 1	33	EARTH: THE LIVING PLANET
February 7	February 8	34	THE PRECIOUS SOIL
February 14	February 15	35	WATER: THE DROP OF LIFE
February 21	February 22	36	ATMOSPHERE: THE EARTH'S SHIELD
February 28	March 1	37	THE RESTLESS EARTH
March 7	March 8	38	THE GREAT TRIUMVIRATE (EARTH, MOON, SUN)
March 14	March 15	39	SOLAR SYSTEM
March 21	March 22	40	BEYOND THE SOLAR SYSTEM