

世界各國科學課程概覽表(下)

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The Science Teaching center of the University
of Maryland, College park, Maryland, U.S.A.

本社

國別與科學課程名稱	科目	適用年齡	編製方式	適用程度	發展時期
美國 UNITED STATES OF AMERICA AAAS SCIENCE SUPPLEMENT ENVIRONMENTAL EDUCATION ENRICHMENT ACTIVITIES	b, c, p, t, s-s	6-11	interdis	all	1971 —
ACTIVITIES IN SCIENCE (AIS)	b, c, p, e-s, h	-	dis, d-c	EMR	1967 —
ADAPTING SCIENCE MATERIALS FOR THE BLIND (ASMB)	b, c, p, e-s	4-14 TEd	p, c, inq, dis	all	1969 — 1973
AIBS PROJECT BIOTECH	b	14-20	d-c, p	all	1971 —
AMERICAN POLITICAL BEHAVIOR (APB)	s-s	14-18	d-c, c, inq, dis, interdis	all	1966 — 1971
ANTHROPOLOGY CURRICULUM PROJECT	an	5-17	d-c, c	all	1964 —
BIOLOGICAL SCIENCES CURRICULUM STUDY (BSCS)	b, n-s, hu	5-18 coll TEd	d-c, inq interdis	avg EMR slow	1959 —
(BSCS) ELEMENTARY SCHOOL SCIENCE PROJECT (BSCS-ESSP)	b, c, p, e-s m, s-s, h, l-a, art	5-11	interdis	all	1972 — 1976
(BSCS) HUMAN SCIENCES PROGRAM (HSP)	b, s-s, b-s	11-13	interdis	all	1971 — 1976
BSCS ENVIRONMENTAL MODULE	b, c, s-s	14-17	interdis, inq	all	1970 — 1974
(BSCS) ME AND MY ENVIRONMENT (MAME)	e-e, b, c, p, e-s	13-18	d-c, p, inq, interdis	EMH	1971 — 1975
(BSCS) ME NOW (ME NOW)	b	10-14	d-c, p, inq	EMH	1969 — 1972
(BSCS) MINICOURSE DEVELOPMENT PROJECT	b	18-20	d-c, p, inq, dis	avg avg+	1971 — 1974
BIOMEDICAL INTERDISCIPLINARY CURRICULUM PROJECT (BICP)	b, c, p, m, t, s-s, phys, med, c-s	16-18 TEd	interdis, integ, c	avg avg+	1968 — 1978
BROAD SPECTRUM ENVIRONMENTAL EDUCATION PROJECT	e-e	5-18 TEd	interdis, c, inq	avg	1971 — 1974

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BUILDING EDUCATIONAL BRIDGES BETWEEN SCIENCE AND THE HUMANITIES	b,c,p,s-s, a,r	19-20	interdis, integ,c	all	1971 —
CHEMICAL BOND APPROACH (CBA)	c	16,18	d-c,c,inq	all	1958 — 1965
CHEMICAL EDUCATION MATERIAL STUDY (CHEM STUDY)	c	16-18	dis	avg	1959 — 1963
CHEMICAL TECHNICIAN CURRICULUM PROJECT (ChemTeC)	c,t	17-20	d-c	avg	1969 — 1972
COMMUNITY ENVIRONMENTAL STUDY PROGRAM (CESP)	b,s-s,h-e, Eng	5-17	interdis, dis,p	all	1971 — 1974
COMPUTER ASSISTED INSTRUCTION LABORATORY IN MATHEMATICS & SCIENCE (CAI)	c,p,e-s,m	11-13	interdis	all	1967 —
COMPUTER-BASED EDUCATION (C-BE)	t,s-s	coll	interdis	avg avg+	1972 — 1975
COMPUTER ORIENTED MATERIALS PRODUCTION FOR UNDERGRADUATE TEACHING (COMPUTE)	b,c,p,e-s,m t,s-s,ec,g, u-s	coll	d-c	all	1971 — 1975
CONCEPTUALLY ORIENTED PROGRAM IN ELEMENTARY SCIENCE (COPEs)	b,c,p,e-s	5-13	integ,c,inq, dis	all	1965 — 1974
CONSERVATION CURRICULUM IMPROVEMENT PROJECT (CCIP)	b,e-s,s-s, c,p,h-e	6-18	interdis,c, inq,dis	all	1965 — 1968
COOPERATIVE CURRICULUM IMPROVEMENT PROGRAM-BIOLOGY (BioCo-TIE)	b	19	c,integ	all	1971 — 1974
COOPERATIVE ENVIRONMENTAL EDUCATION PROJECT (CEEP)	e-e	12,TEd	d-c,integ, interdis	all	1971 — 1974
COOPERATIVE GENERAL SCIENCE PROGRAM (CGSP)	b,c,p,e-s, m	coll	integ	all	1966 — 1971
CORE-COURSE FOR COLLEGE SCIENCE MAJORS CONTAINING PHYSICS, CHEMISTRY AND BIOLOGY	b,c,p	18-20	integ	all	1967 — 1969
CRYSTAL LAKE OUTDOOR EDUCATION PROGRAM	b,c,p,e-s,m t,s-s,art, mu,p-e,l-a	5-18	interdis,c, inq,dis	all slow spec	1967 —

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EARTH & SPACE SCIENCE IMPROVEMENT PROJECT (ESSIP)	e-s	13-18	integ	all	1970 — 1973
EARTH SCIENCE CURRICULUM PROJECT (ESCP)	e-s	13-18	inq,integ, interdis	all avg	1963 — 1967
EARTH SCIENCE TEACHER INSERVICE PROGRAM	e-s,meth	TEd	d-c,integ, c,inq	avg	1969 — 1971
EARTH SCIENCE TEACHER PREPARATION PROJECT (ESTPP)	psych-ed	12-18 TEd	psyc	all	1970 — 1973
ECO-CURRICULUM DEVELOPMENT AND LEARNING LABORATORY	b,c,p,e-s,m t,s-s,Eng, art	5-20 TEd	interdis	all	1971 — 1974
EDUCATIONAL RESEARCH COUNCIL (ERC) UNIFIED SCIENCE PROGRAM	b,c,p,e-s,m t,s-s,psyc, hu	13-20	interdis, p,c,inq	all	1971 —
EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)	b,c,p,e-s,m t,s-s	TEd resch	-	all	1966 —
EKISTICS, A GUIDE FOR THE DEVELOPMENT OF AN INTERDISCIPLINARY ENVIRONMENTAL EDUCATION CURRICULUM	e-e	5-18	interdis	all	1968 —
ELEMENTARY SCHOOL SCIENCE PROJECT	b,p,c,m	7-13	-	avg	1959 — 1966
ELEMENTARY SCHOOL SCIENCE PROJECT (ESSP-USU)	b,c,p	6-7	dis	all	1963 — 1967
ELEMENTARY SCIENCE STUDY (ESS)	b,c,p,e-s,m mus	2-14	dis	all	1961 — 1971
ELEMENTARY SCIENCE TEACHER TRAINING (ESTT)	b,c,p,e-s, hu	18-20 TEd	interdis, integ,p,c, inq,dis,hist	avg	1968 — 1975
ENGINEERING CONCEPTS CURRICULUM PROJECT-MAN AND HIS TECHNOLOGY (ECCP-MHT)	b,m,t,s-s	18-20 adult TEd	interdis, integ,p, inq	all	1971 —
ENGINEERING CONCEPTS CURRICULUM PROJECT-THE MAN-MADE WORLD (ECCP-TMMW)	b,p,m,t, s-s	15-18 adult TEd	interdis, integ,p inq	avg avg+	1965 —
ENGINEERING CONCEPTS CURRICULUM PROJECT-TECHNOLOGY	m,t,s-s,b, c,p,e-s	12-16	interdis, integ,p,c	avg slow	1970 —

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PEOPLE-ENVIRONMENT (ECCP-TPE)					
ENVIRONMENTAL EDUCATION-COMMUNITY OPPORTUNITY FOR STEWARDSHIP (ECOS)	s-s, b, c, p, e-s, Eng, m	5-18 TEd	interdis, inq	all spec EMR	1971 — 1974
ENVIRONMENTAL EDUCATION CURRICULUM DEVELOPMENT PROGRAM	b, c, e-s, s-s	5-18	interdis	all	1972 — 1975
ENVIRONMENTAL EDUCATION DEMONSTRATION PROJECT	e-e	6-18 TEd	interdis, p, c, inq, dis	all	1971 — 1974
THE ENVIRONMENTAL IMPACT OF ELECTRICAL POWER GENERATION; NUCLEAR & FOSSIL: A MINICOURSE	b, c, p, e-e, s-s, ec	13-18 adult TEd	interdis, integ, p, c, inq, dis	all slow	1972 — 1975
ENVIRONMENTAL INFORMATION PACKETS	e-e	-	varies	all	1972 — 1974
ENVIRONMENTAL PLANNING WORKSHOPS FOR COMMUNITY LEADERS	e-p	adult	interdis, integ, p	-	1972 — 1973
ENVIRONMENTAL SCIENCE STUDY CURRICULUM (ESSC)	e-e	12-15	interdis, integ, inq, dis	all	1971 — 1974
ENVIRONMENTAL STUDIES PROGRAM (ESP)	e-e, b, e-s, t, s-s	coll	interdis, p	avg	1970 —
ESSENTIA: ENVIRONMENTAL STUDIES (ES)	b, c, p, e-s, m, t, s-s, art hu, l-a	5-20 TEd	inq, dis, interdis	all	1969 — 1974
ETHNO-SCIENCE	b, e-s, e-e, an	14-18	interdis, integ	all	1971 —
EXPERIENCE IN OUTDOOR EDUCATION (EOE)	b, e-s, m, s-s sur, art, Eng	5-12	interdis, p, integ, C, inq,	all	1966 —
EXPLORATIONS IN BIOLOGY (EIB)	b	14-17	inq	avg avg +	1968 — 1974
EXPLORING HUMAN NATURE (EHN)	s-s, b	16-18	interdis, c, inq, p	avg	1970 — 1975
EXPLORING NUMBER CONCEPTS (ENC)	m	5-6	p, c, dis	all	1973 — 1975
FOUNDATIONAL APPROACHES IN SCIENCE TEACHING (FAST)	b, c, p, e-s t, s-s	12-17	interdis, integ, inq, dis	all	1967 — 1976
FUSE CENTER FOR UNIFIED SCIENCE EDUCATION	b, c, p, e-s s-s	5-20 TEd	u	all	1972 —

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GEOGRAPHY CURRICULUM PROJECT	g	5-12	d-c, c	all	1967 —
THE GUIDED DESIGN SYSTEM APPROACH-ENVIRONMENTAL EDUCATION	e-e	15-18	g-d-m	avg	1971 — 1974
GUIDED ENGINEERING DESIGN	t	17-18	g-d-m	avg	1969 — 1974
HIGH SCHOOL GEOGRAPHY PROJECT: GEOGRAPHY IN AN URBAN AGE (HSGP)	s-s, g	11, 17	interdis, d-c, inq	all	1961 — 1970
HIGH SCHOOL POLITICAL SCIENCE CURRICULUM PROJECT. PRODUCT: COMPARING POLITICAL EXPERIENCES (CPE)	s-s	17-18	d-c, c, inq, pol	all	1972 — 1977
HUMANISTIC APPROACH TO NATURAL SCIENCE (HANS)	b, c, p, e-s hu	18-20 TEd	interdis, integ, p, c, dis, hist	avg	1968 — 1975
HUNTINGTON TWO	b, p, s-s	12-20	dis	all	1968 — 1974
IDEA-CENTERED LABORATORY SCIENCE (I-CLS)	b, c, p, e-s	12-14	interdis, c, inq	all slow	1962 — 1972
IMPLEMENTATION OF THE NEW JERSEY STATE MASTER PLAN FOR ENVIRONMENTAL EDUCATION	e-e, s-s, b c, p, e-s, m t, art	5-20 TEd	interdis	all	1971 —
INDEPENDENCE OUTDOOR LABORATORY	b, e-s, s-s	5-18	interdis	all	1968 — 1971
INDIVIDUALIZED CHEMISTRY (IC)	c	15-20	c	all	1969 — 1974
INDIVIDUALIZED SCIENCE (IS) (Formerly IPI-Science)	b, c, p, e-s	5-14	inq, integ, c, p	all	1964 — 1976
INDIVIDUALIZED SCIENCE INSTRUCTIONAL SYSTEM (ISIS)	b, c, p, e-s	14-18	integ, interdis	all	1972 — 1978
INDIVIDUALIZED SCIENCE INVESTIGATIONS (ISI)	b, c, p, e-s psych	15-20 TEd	integ, p, inq	avg slow avg+	1966 — 1974
INNER-CITY TEACHERS OF SCIENCE (ICTOS)	b, c, p, m	coll TEd	interdis, p, c	all	1971 — 1975
INQUIRY ROLE APPROACH (IRA)	b	14-15 TEd	inq	avg+ all	1968 — 1974
INTEGRATED SCIENCE APPROACH (ISA)	b, c, p	15-16	integ	avg+	1972 — 1974
AN INTEGRATED SCIENCE	b, c, p, e-s	18-20	integ, inq	all	1973 — 1975

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PROGRAM FOR PRE-SERVICE ELEMENTARY SCHOOL TEACHERS	meth	TEd			
INTERDISCIPLINARY APPROACHES TO CHEMISTRY (IAC)	c	16-18	interdis	all	1970 — 1973
INTERMEDIATE SCIENCE CURRICULUM STUDY (ISCS)	b,c,p,e-s	12-15 TEd	integ	all	1966 —
INTERRELATED EXPLORATIONS IN SCIENCE (IES)	b,c,p,e-s	11-13	integ	all	1972 — 1974
JEFFERSON COUNTY CURRICULUM DEVELOPMENT	b,c,p,e-s m,s-s	6-20 TEd	interdis	avg avg+	1968 —
JOHN MUIR INSTITUTE (JMI) URBAN EXPERIENTIAL ENVIRONMENTAL STUDIES CURRICULUM PROJECT	e-e	12-18	interdis inq	all avg	1973 —
K-12 ENVIRONMENTAL EDUCATION PROGRAM	e-e	5-18	interdis	all	1969 — 1974
K-12 MULTIDISCIPLINARY PROCESS CURRICULUM IN ENVIRONMENTAL EDUCATION	b,c,p,e-s, m,t,s-s	5-18	interdis, p	all	1973 — 1974
K-12 SCIENCE DESIGN-LAS CRUCES SCHOOLS (K-12 SD)	b,c,p,e-s c-e,e-e	5-18 TEd	d-c,integ, p,c,inq, interdis, dis	all	1961 — 1964
KNOWLEDGE FOR USE PROJECT	all	adult	interdis	all	1973 —
LABORATORY PROGRAM FOR COMPUTER ASSISTED LEARNING (PROJECT LOCAL)	m,b,c,p, e-s,s-s, b-e	8-18 TEd	inq,dis	all	1967 —
LIFE SCIENCE INVESTIGATIONS- MAN AND THE ENVIRONMENT (MATE)	b,t,s-s, e-e	12-14	interdis, p,inq	all	1966 —
LIGHTSHIP CHESAPEAKE, ELEMENTARY PROGRAM (LIGHTSHIP)	b,c,s-s	12	integ	all	1971 —
LIGHTSHIP CHESAPEAKE HIGH SCHOOL-STUDENTS TOWARD ENVIRONMENTAL PARTICIPATION PROGRAM (STEP) (LIGHTSHIP)	b,c, nauts	12-18	interdis, integ,dis	all	1973 —
LINCOLN AREA ENVIRONMENTAL EDUCATION PROJECT (LAEPP)	s,s-s	TEd	interdis	all	— 1974
LOS ANGELES UNIFIED SCHOOL	b,e-s,s-s	10-12	interdis,	all	1967 — 1969

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DISTRICT OUTDOOR EDUCATION			inq,dis		
MAN: A COURSE OF STUDY (MACOS)	b,t,s-s	10-12	interdis, p,c,inq, dis	all	1963 — 1970
MAN'S CULTURAL RELATIONSHIP TO THE ENVIRONMENT-PAST, PRESENT, & FUTURE	b,e-s,s-s	8-18	interdis	all	1971 — 1974
MARINE ECOLOGY RESEARCH PROJECT (MER)	b,c	12-18	interdis, integ,inq, dis	all	1970 — 1975
MARINE ENVIRONMENTAL STUDIES PROGRAM	m-s	16-18	interdis	avg avg+	1973 — 1974
A MODEL COMPREHENSIVE PROGRAM IN URBAN ENVIRONMENTAL EDUCATION (UEEP)	e-e	4-18	interdis, c	all	1972 — 1975
A MODEL EDUCATIONAL PROGRAM IN ECOLOGY, KINDERGARTEN THROUGH ADULT EDUCATION	b,s-s,e-e	6-18 TEd adult	interdis, inq	all	1971 — 1975
MONONA GROVE, K-12, UNIFIED, CONCEPT CENTERED SCIENCE PROGRAM	b,c,p,e-s m,s-s	5-18	integ	all	1964 —
NATURE OF EVIDENCE	b,c,p,s-s geol,phil	18-20	interdis, g-d-m	avg	1972 — 1974
NEBRASKA PHYSICAL SCIENCE PROJECT (NPSP)	c,p	16-18	integ	avg avg+	1969 — 1972
OUTDOOR BIOLOGY INSTRUCTIONAL STRATEGIES (OBIS)	b,e-e	10-15 TEd	d-c,c,dis	all	1973 —
PENNSYLVANIA NUCLEAR SCIENCE PROJECT (PNS)	nuc-s	15-19	interdis integ,p,c inq	avg avg+	1969 — 1974
PEOPLE AND TECHNOLOGY (P & T)	b,p,m,t, s-s	12-14	interdis, c,inq	all	1969 — 1975
PERSONALIZED ADVENTURES IN CHEMICAL EDUCATION (PACE)	c	15-20	p,inq,d-c c,dis	all	1967 — 1973
PHASE ACHIEVEMENT SYSTEM (PAS)	b	coll	integ	all	1971 — 1974
PHYSICAL SCIENCE FOR NON- SCIENCE MAJORS (PSNS)	c,p	19-20	inq,integ	avg	1965 — 1970

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PHYSICAL SCIENCE STUDY COMMITTEE PHYSICS (PSSC)	p	16-17	d-c	avg avg+	1956—1960
PHYSICAL SCIENCE STUDY COMMITTEE ADVANCED TOPICS (PSSC ADVANCED TOPICS)	p	17-18	d-c,p,c, inq	avg+	1963—1966
PHYSICAL SCIENCE STUDY COMMITTEE COLLEGE INTRODUCTORY PHYSICAL SCIENCE (CIPS)	c,p	17-18 TEd	d-c,integ p,c,inq	avg	1968—1969
PHYSICAL SCIENCE STUDY COMMITTEE (PSSC) COLLEGE PHYSICAL SCIENCE II (CPSII)	c,p	17-18	d-c,integ, p,c,inq	avg	1968—
PHYSICAL SCIENCE STUDY COMMITTEE COLLEGE PHYSICS (CPSSC)	p	17-18	d-c	avg avg+	1966—1967
PHYSICAL SCIENCE STUDY COMMITTEE INTRODUCTORY PHYSICAL SCIENCE (IPS)	c,p	12-14	integ,p,c, inq	all	1963—1972
PHYSICAL SCIENCE STUDY COMMITTEE (PSSC) PHYSICAL SCIENCE II (PS II)	c,p	12-17	integ,p,c, inq	avg avg+	1967—1972
PHYSICAL SCIENCE STUDY COMMITTEE (PSSC) UNDERGRADUATE PROGRAM FOR PHYSICS-CHEMISTRY TEACHERS	c,p,m,ed	17-20 TEd	interdis, integ,inq	avg	1969—
P.K. YONGE LABORATORY SCHOOL CORRELATED SCIENCE PROGRAM (CSP)	b,c,p, e-s	15-17	integ	all	1968—1975
PORTLAND PROJECT	b,c,p,m, s-s	14-17	integ,p,c	avg avg+	1967—1971
PROJECT I-C-E (INSTRUCTION-CURRICULUM-ENVIRONMENT) (I-C-E)	e-e	5-17 TEd adult	interdis integ,c, inq,dis	all	1970—1975
PROJECT PART-TIME PUPILS AS RESPONSIBLE TEACHERS TO INCREASE MUTUAL ESTEEM	b,c,p,e-s, m,t,hu, i-a	4-18	interdis	all	1970—1971
PROJECT PHYSICS (formerly Harvard Project Physics)	p,astr,hu	16-20 TEd	interdis, d-c,integ, c	avg avg+	1964—1970