

SCHOOL QUESTIONNAIRE

SCHOOL QUESTIONNAIREAccompanying Notes

Note: Each school will require 3 punched cards A, B, C. If more than one population is tested in any one school, then leave column 8 blank.

- Q.6 Community or area in which the school is situated. National Centers should, if they define the categories in more precise terms, send in their definitions to IEA International. Please note (see Mathematics Study) that it is unwise to classify by size of community. Rather the classification should be in terms of rural (country areas) and urban (heavily built up).
- Q.7 Available in the sense of being able to visit.
- Q.9 This question will have to be rephrased according to the national system of education. When punching, 01 will be the first year of school after kindergarten, 02 the second year, etc.
- Q.10-11 Target population should be expressed in terms of the national school system.
- Q.16 The aim of this question is to determine the extent to which operating (capital and recurrent) costs are provided by the government or by private sources. The phrase 'or almost wholly' is to allow for those small amounts provided by other sources.
- Q.17 It is recognised that the type of detailed financial information requested in this question is sometimes difficult to obtain accurately. However, it is important that as good estimates as possible are entered. It may be that the National Center will have to have careful estimates made either by themselves or the school principal. Alternatively, the information will have to be collected from the local authority. Amounts should be coded in the national currency. Use the appropriate number of columns and inform IEA International of what you have done. (Factors x 10 or x 100 can be introduced).
- Q.18 It is important that part-time teachers are counted. It is up to National Centers to agree with the participating schools on the equivalence of part-time teachers to one full-time teacher.

Laboratory Technician: This may have to be defined in national terms. What is intended is a person (not a student) who can assist with the setting up of experiments and helping with demonstrations in the laboratory.

Aide or Ancillary Teacher: These persons are defined as assistants (not qualified teachers) to teachers in carrying out instruction.

Q 23 Some schools have a particular emphasis, such as mainly academic or mainly vocational, etc. Other schools provide explicitly all types of course without particular preference or emphasis on any of them. The National Centers may have to rephrase this question in a way appropriate for their particular country, but it must be coded in terms of the international code.

Q 24 "Language of instruction of school". This is remedial teaching to those foreign children (primarily immigrants) who are attending the school.

Q 26 The interest here is in whether or not there is any student participation at all in decisions concerning discipline, not in the degree to which it occurs.

Q 29 In most schools there is usually a grade level after which certain subjects become optional. The aim of this question is to determine that point.

Q 31 This should also include 'parent associations' or similar activities.

Q 31
o) Activities for raising money for school irrespective of whether this money is to be used for sports facilities or new equipment etc., for school.

N.B. School Region Classification Column C/40

No question has been asked on the questionnaire but it is important that each school is classified according to the percentage of the labour force in its "region" engaged in agriculture, forestry and fishing. It will be necessary for the National Center to have an economic geographer or demographer carry out this classification. The National Technical Officer should furnish the economic geographer with a list of the names and addresses of every school in the sample. The economic geographer must first of all determine the "region" of the school. The "region" is defined as the area within half a days' travel time of the school in all

directions by the most commonly used means of surface transportation. Once the "region" is established, the economic geographer will have to code the scheme according to the following scheme.

Percentage of labour force engaged
in agriculture, forestry and
fishing.

0 - 9	-	1
10 - 25	-	2
26 - 50	-	3
51 - 75	-	4
over 76	-	5

SCHOOL QUESTIONNAIRE

(Note - It is assumed that this questionnaire will be completed by the school co-ordinator who may or may not be the school principle.)

The present questionnaire is devised to provide information needed for an international study of three subject areas. Among other things, outcomes of instruction in terms of performance on international achievement tests are related to certain "input" factors such as the facilities of the various school systems in terms of teacher training, number of hours of instruction, physical plant, etc. We are fully aware of the fact that in some instances a question cannot be answered with complete accuracy unless the school co-ordinator carries out time-consuming research. We want, however, to avoid that an undue burden is put on those answering the questionnaire, and therefore, urge that estimates are made in cases when exact figures are not available.

DO NOT WRITE
HERE

SCHOOL QUESTIONNAIRE

A/01-02 blank

Country _____

A/03-04 _____

1. Name of School _____

A/05-07 _____

Personal Data of School Principal

Target Population

A/08 _____

A/9-11 000

2. Please indicate your formal qualifications.
(indicate highest degree received)

A/12 A

- Less than Bachelors _____
- Bachelor _____
- Masters _____
- Doctorate _____

A/13 _____

3. How many years have you served as a school
principal altogether?

_____ years

A/14-15 _____

4. How many years have you served as a principal
of this school?

_____ years

A/16-17 _____

5. How many years teaching experience have you
had altogether?

_____ years

A/18-19 _____

Basic School Facts

6. Which of the following characterize the
community served by your school?
(check where appropriate)

- Urban _____
- Suburban _____
- Rural _____

A/20 _____

7. Which of the following amenities are available for students at your school to visit or join?
(Indicate once in each row)

	In local vicinity (less than 30 minutes travel)	In a neighbouring town (can be reached in less than 2 hours)	Not readily available for your students
Museum			
Zoo			
Public Library			
Concert Hall			
Opera/Theatre/Ballet			
FOREIGN English language societies/cultural organization/information center			

A/21 _____
A/22 _____
A/23 _____
A/24 _____
A/25 _____
A/26 _____

8. What is the total enrollment of full-time students in your school?

Boys _____
Girls _____

A/27-30 _____
A/31-34 _____

9. What is the lowest and what is the highest grade in this school?

Lowest _____
Highest _____

A/35-36 _____
A/37-38 _____

10. Approximately how many students are there in the grade in which most 10 year olds are to be found _____

in which most 14 year olds are to be found _____

which is the pre-university grade _____

A/39-42 _____
A/43-46 _____
A/47-50 _____

DO NOT
WRITE
HERE

11. For each of the following grades, indicate the one designation which best describes your school. (Indicate once in each row)

Grade	Grade does not exist in school	Boys only	Girls only	Boys and Girls mainly taught together	Boys and Girls mainly taught separately
Grade in which most 10-year-olds are to be found					
Grade in which most 14-year-olds are to be found					
Pre-university grade					

A/51 _____

A/52 _____

A/53 _____

12. Does your school have: (indicate one)

Day students only _____

A/54 _____

Some day students and some boarding students _____

Boarding students only _____

13. How many students, on the average, are accommodated in a laboratory for a practical science lesson?

POPULATION II

- 0 _____
- 1-10 _____
- 11-20 _____
- 21-30 _____
- 31 or more _____

A/55 _____

POPULATION IV

- 0 _____
- 1-10 _____
- 11-20 _____
- 21-30 _____
- 31 or more _____

A/56 _____

Administration

14a. By whom is the real decision made in following matters: (indicate wherever appropriate)

	Teacher or Subject Committee of teachers or faculty	Head of the School	Some local or central authority	
Choosing textbooks				A/57 _____
Making rules and regulations for students in the school				A/58 _____
Choosing teachers				A/59 _____
Determining conditions of employment of teachers				A/60 _____
Selecting students for entrance				A/61 _____
Deciding on major expenditure of money				A/62 _____
Determining size of tuition fees (if any)				A/63 _____

14b. Which of the following body is the most important in determining the syllabus or content of subject courses: (check one)

- a. some outside education authority (e.g. State) _____
- b. an external committee which contains teacher representation _____
- c. an external committee which contains teacher representation from this school _____
- d. the school
 - (i) by the school principal _____
 - (ii) by the head of each subject department _____
 - (iii) by a committee of teachers of each subject _____
 - (iv) by each individual teacher _____
 - (v) by the faculty and students together _____

A/64 _____

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- 14c. Which of the following body is the most important in determining the methods of approach used in teaching (i.e. how the subject matter is taught): (check one)
- a. some outside education authority (e.g. State) _____
 - b. an external committee which contains teacher representation _____
 - c. an external committee which contains teacher representation from this school _____
 - d. the school
 - (i) by the school principal _____
 - (ii) by the head of each subject department _____
 - (iii) by a committee of teachers of each subject _____
 - (iv) by each individual teacher _____
 - (v) by the faculty and students together _____

A/65 _____

- 15.i How frequently do inspectors (superintendents, supervisors, advisors, etc.) visit your school (indicate one)
- Never _____
 - Less than once a year _____
 - Once a year _____
 - Twice a year _____
 - More than twice a year _____

A/66 _____

- 15.ii If you are visited by inspectors what is the purpose of their visits? (Indicate more than one where appropriate)
- To prepare a report for the authorities _____
 - To advise on some of the problems of the school _____
 - To advise teachers _____
 - To assess teachers _____

A/67 _____

A/68 _____

A/69 _____

A/70 _____

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Are the operating costs for your school:
(indicate one)

totally or almost wholly provided by the
government (local or central) _____

partially provided by the government
(local or central) _____

totally or almost wholly provided
by private sources _____

A/71 _____

Please fill in the following concerning the
annual budget for your school.

B/12 B

i) Teachers salaries _____

B/13-18 _____

ii) Non-teaching staff salaries and wages

B/19-23 _____

iii) Maintenance and repair

B/24-28 _____

iv) Books, stationery etc.

B/29-33 _____

v) Equipment materials, teaching aids etc.

B/34-38 _____

vi) Other (e.g. loan charges)

B/39-43 _____

17.b About what percentage of 17a(v) above is for
science? _____

B/44-45 _____

Staff

18.a How many full-time and full-time equivalent (See
Note) teachers are currently employed in your
school? (including yourself if you teach)

No. of teachers _____

B/46-48 _____

18.b What percentage of the teachers (full-time and
full-time equivalent) in your school are men?
_____ percent

B/49-50 _____

18.c What percentage of the teachers (full-time and
full-time equivalent) are teaching science?
_____ percent

B/51-52 _____

18.d What percentage of the teachers (full-time and
full-time equivalent) are teaching aspects of Mother
Tongue e.g. grammar, reading etc. at your school?
_____ percent

B/53-54 _____

19. How many of the following persons (full-time equivalent) provide a service in your school? (Round to the nearest whole number)

School Librarian 0 ___ 1 ___ 2 ___ 3 ___ 4 ___ 5 ___ or more ___

B/55 _____

Laboratory Assistant
or Technician 0 ___ 1 ___ 2 ___ 3 ___ 4 ___ 5 ___ or more ___

B/56 _____

School Counselor 0 ___ 1 ___ 2 ___ 3 ___ 4 ___ 5 ___ or more ___

B/57 _____

School
Psychologist 0 ___ 1 ___ 2 ___ 3 ___ 4 ___ 5 ___ or more ___

B/58 _____

Reading Specialist 0 ___ 1 ___ 2 ___ 3 ___ 4 ___ 5 ___ or more ___

B/59 _____

Social Worker 0 ___ 1 ___ 2 ___ 3 ___ 4 ___ 5 ___ or more ___

B/60 _____

Aide or Ancillary
teacher 0 ___ 1 ___ 2 ___ 3 ___ 4 ___ 5 ___ or more ___

B/61 _____

Foreign Language
Assistant 0 ___ 1 ___ 2 ___ 3 ___ 4 ___ 5 ___ or more ___

B/62 _____

20. Do you have available to your school any specialist service (e.g. a child guidance clinic or a school psychological service) to which students with reading difficulties can be referred?

Yes _____ No _____

B/63 _____

Admission

21. What criteria, other than age, are used for the admission of students to your school? (Indicate where appropriate)

Residence in area near school _____

B/64 _____

Performance in previous school or class _____

B/65 _____

Interview _____

B/66 _____

Entrance examination _____

B/67 _____

Graduation from a particular course or school _____

B/68 _____

Membership of a particular group (e.g. religion) _____

B/69 _____

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22. Dividing students into classes for purposes of instruction, in academic subjects, schools adopt various practices:

- A. Fast learners and slow learners are taught together for all subjects.
- B. Fast learners and slow learners are taught separately for all subjects.
- C. Fast learners and slow learners are taught together for some subjects and are taught separately for other subjects.

Please indicate which policy is predominantly followed in your school.

A. _____

B. _____

C. _____

B/70 _____

Note: If you find it difficult to choose one of these alternatives, please indicate why in the remarks section at the end of this questionnaire.

Educational Program

23.a Which of the following statements best characterizes your school's program?

The school provides a variety of types of courses _____

The school provides only one type of course, (e.g. academic, commercial, etc.) _____

B/71 _____

23.b If you indicated the second alternative in Q.23.a, which type of course is provided:

Academic _____

Vocational/Technical _____

General _____

B/72 _____

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24. Do you have any provision for remedial teaching or tutoring in each of the following subject areas?

(Indicate one in each row)

	None	In cases of great need only	Generally available
Mathematics			
Science			
Reading			
Language of instruction of school			

B/73
B/74
B/75
B/76

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25. What is the language of instruction for most children in your school? (Indicate one)

Mother Tongue of children _____

B/77 _____

Another language _____

26. In your school is there student involvement in decision-making concerning disciplinary action? (Indicate one)

Yes _____

B/78 _____

No _____

27. Which of the following types of student assessment are used in your school? (Indicate one in each row)

C/12 C

Rarely or Sometimes Frequently
Never

Oral examinations

C/13 _____

Teacher made essay tests

C/14 _____

Teacher made objective tests

C/15 _____

Standardised tests

C/16 _____

Assessment of general performance in class

C/17 _____

28. a On average how many hours schooling per week do students in your school receive? (Indicate where appropriate)

Population I _____ hours

C/18-19 _____

Population II _____ hours

C/20-21 _____

Population IV _____ hours

C/22-23 _____

b On average how many weeks schooling per year do students in your school receive?

_____ weeks

C/24-25 _____

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29. After which grade do A) Science and B) literature
cease to be compulsory subjects?

- A) Science _____ grade
- B) Literature _____ grade

C/26-27 _____
 C/28-29 _____

Concerning Science Teaching

30.i. In your school, is Science education best regarded as:
(indicate one)

- a) embracing at least biology, chemistry and physics
whether taught as an integrated discipline or not _____
- b) an intensive study of one, or at the most two, of the
separate branches of science _____

C/30 _____

30.ii. If your answer to question 30.i is a) please indicate
if it is usual in you school for a student to study two
or more branches of science simultaneously or are the branches
studied consecutively, for example, in yearly units?

- Simultaneously _____
- Consecutively _____

C/31 _____

30.iii. If your answer to 30.i is a) please indicate at what
point in your school science is separated into its major
branches of biology, chemistry and physics.

- As an integrated discipline throughout _____
- As separate branches from about Population I
onwards _____
- As separate branches from about Population II
onwards _____
- As separate branches throughout _____

C/32 _____

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126

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Parent Teacher Association

31.a Does your school have a parent-teacher association?
(indicate one)

Yes _____

No _____

G/33 _____

b If yes, how frequently does it meet? (indicate one)

Once a year _____

Twice a year _____

Three to five times a year _____

Six or more times a year _____

G/34 _____

c If yes, in which of the following activities does
it engage? (indicate where appropriate)

Social work in the community _____

G/35 _____

Socio-cultural activities _____

G/36 _____

Activities for raising money for
school _____

G/37 _____

Curriculum and instructional methods
(Cooperation over pupils learning
problems) _____

G/38 _____

Parent education - providing
information for parents about
various aspects of the school
program _____

G/39 _____

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School Principal's Remarks

Question No.	Variable	Rollerball Col. Nos.	Rollerball Punching Code	Details of Code
	Country Number	A/1-2	22 26 30 34 38 42 46 50 54 58 62 66 70 74 78 82 86 90 94	Australia Belgium Chile England Fed. Rep. of Germany Finland France Hungary India Italy Japan Netherlands New Zealand Poland Scotland Sweden Thailand United States
1	School Number	A/3-5	001-999	School number coded by N.C.
	Target Population	A/6	either blank or 1 2 3 4 5	where more than one population is being tested in a school Pop. I Pop. II Pop. III Pop. IV Pop. IVa
		A/7-9	000	Punch 000, do not leave blank
	IMA card type code	A/10-11	12	Punch the 2-digit number "12"
	Type of card	A/12	A	First card of the set of 3 produced from each school questionnaire
2	Principals' Degree	A/13	1 2 3 4	Less than Bachelor Bachelor Master Doctorate
3	Years as Principal	A/14-15	00-50	Years No. of years
4	Years as <u>this</u> school Principal	A/16-17	00-50	Punch No. of years

Question No.	Variable	Hollerith Col. Nos.	Hollerith Punching Code	Details of Code
5	Years teaching experience	A/18-19	00-60	Punch No. of years
6	Type of Community	A/20	1 2 3 4 5 6 7	Urban Suburban Rural 1+2 1+3 2+3 1+2+3
7	Institutions available to community Museum Zoo Public library Concert Hall Opera/Theatre/ Ballet Societies	A/21 A/22 A/23 A/24 A/25 A/26	1 2 3	in local vicinity in neighbouring town not readily available
8	Total Boys Enrolment Girls	A/27-30 A/31-34	0000-9999 0000-9999	Enrolment boys Enrolment girls
9	Lowest grade Highest grade	A/35-36 A/37-38	01-12 01-14	Lowest grade Highest grade
10	Students per grade 10-year-olds grade 14-year-olds grade Pre university grade	A/39-42 A/43-46 A/47-50	0000-9999 0000-9999 0000-9999	No. of students No. of students No. of students
11	Co-education 10-year-olds 14-year-olds pre university grade	A/51 A/52 A/53	0 1 2 3 4	Grade does not exist Boys only Girls only Boys:Girls taught together Boys:Girls taught separately
12	Day/Boarding School	A/54	1 2 3	Day students only some day - some boarding Boarding students only

Question No.	Variable	Hollerith Col. Nos.	Hollerith Punching Code	Details of Code 133
13	Accommodation Science Lab. Class Pop. II Pop. IV	A/55 A/56	0 1 2 3 4	0 1 - 10 11 - 20 21 - 30 31 or more
14a)	Decision making Choosing Text books Rules Choosing teachers Conditions Std. Selection Fin. Expenditure Tuition fees	A/57 A/58 A/59 A/60 A/61 A/62 A/63	0 1 2 3 4 5 6 7	No response Teacher of committee Head of school Local or central authority 1+2 1+3 3+2 1+2+3
14b)	Teacher freedom Content	A/64	1	Outside activity
14c)	Teacher freedom Method	A/65	2 3 4 5 6 7 8	Ext. Comm. teacher rep. Ext. exams. School principal Head of department Comm. of teachers Individual teacher Faculty and students
15(i)	Inspection	A/66	1 2 3 4 5	Never Less than once a year Once a year Twice a year More than twice a year
15(ii)	Reasons for inspection Report to authorities Advice on school problems Advise teachers Assess teachers	A/67 A/68 A/69 A/70	1 2	Checked Not checked
16	School operating costs	A/71	1 2 3	Totally or almost wholly government Partially govern. Totally or almost wholly private
		A/72-80		For National Purposes

Question No.	Variable	Hollerith Col. Nos.	Hollerith Punching Code	Details of Code
	Country Number	B/1-2	22 26 30 34 38 42 46 50 54 58 62 66 70 74 78 82 86 90 94	Australia Belgium Chile England Fed. Rep. of Germany Finland France Hungary India Iran Italy Japan Netherlands New Zealand Poland Scotland Sweden Thailand United States
	School Number	B/3-5	001-999	School number coded by N.C.
	Target Population	B/6	<u>either</u> blank <u>or</u> 1 2 3 4 5	where more than one population is being tested in a school Pop. I Pop. II Pop. III Pop. IV Pop. IVs
		B/7-9	000	Punch 000, do not leave blank
	IEA card type code	B/10-11	12	Punch the 2-digit number "12"
	Type of card	B/12	B	Second card of the set of 3 produced from each school questionnaire
17a)	School budget i) teacher salaries	B/13-18	00001-99999	Punch in local currency
	ii) Non-teaching staff salaries	B/19-23	00001-99999	Punch in local currency
	iii) maintenance and repair	B/24-28	00001-99999	Punch in local currency
	iv) Books, stationery	B/29-33	00001-99999	Punch in local currency
	v) Purchase of equipment	B/34-38	00001-99999	Punch in local currency
	vi) Other (e.g. loan charges)	B/39-43	00001-99999	Punch in local currency

Question No.	Variable	Indicator Col. Nos.	Indicator Punching Code	Definition of Code
17b)	Science percentage of 17a) (v)	B/44-45	00-99	Punch percentage
18a)	No. full-time staff	B/46-48	001-999	Punch No. of staff
18b)	Percentage men	B/49-50	01-99	Punch percentage
18c)	No. of full-time science teachers	B/51-52	01-99	Punch No. of science teachers
18d)	No. of full-time Mother Tongue teachers	B/53-54	01-99	Punch No. of Mother Tongue teachers
19	Person providing a service School Librarian Lab. assistant School Counselor School Psychologist Reading Specialist Social worker Teacher Aide Foreign language assistant	B/55 B/56 B/57 B/58 B/59 B/60 B/61 B/62	0 1 2 3 4 5	0 1 2 3 4 5
20	Reading Specialist Survey	B/63	1 2	Yes No
21	Criteria of admission Area near school Previous school Interview Entrance exam Graduation Membership	B/64 B/65 B/66 B/67 B/68 B/69	1 2	Checked Not checked
22	Division into classes	B/70	1 2 3	A B C
23a)	School program	B/71	1 2	Variety types One type
23b)	Type of course	B/72	1 2 3	Academic Vocational General
24	Remedial teaching Mathematics Science Reading Language of school	B/73 B/74 B/75 B/76	1 2 3	None Great need only Generally available
25	Language of instruction	B/77	1 2	Mother Tongue Another language

Question No.	Variable	Reliability Est. Sec.	Reliability Est. Code	Details of Code
26	Student involvement in decision making/discipline	B/79	1 2	Yes No
		B/79,86		For National purposes
	Country Number	C/1-2	32 36 38 39 38 42 46 50 54 58 62 66 70 74 78 82 86 90 94	Australia Belgium Chile England Fed. Rep. of Germany Finland France Hungary India Iran Italy Japan Netherlands New Zealand Poland Scotland Sweden Switzerland United States
	School Number	C/3-5	001-999	School number assigned by N.C.
	Target Population	C/6	<u>either</u> blank <u>or</u> 1 2 3 4 5	where more than one population is being tested in a school Pop. I Pop. II Pop. III Pop. IV Pop. IVs
		C/7-9	000	Punch 000, do not leave blank
	IRA card type code	C/10-11	12	Punch the 2-digit number "12"
	Type of card	C/12	0	Third card of the set of 3 produced from each school questionnaire
27	Student Assessment Oral exams Teacher Essay Teacher by tests Standardised tests Assessment of practical work	C/13 C/14 C/15 C/16 C/17	1 2 3	Rarely Sometimes Frequently

Question No.	Topic	Question Code	Response Code	Details
28	<u>Schooling</u> a) hours per week Pop. I Pop. II Pop. IV	C/18-19 C/20-21 C/22-23	01-49	Punch No. ...
	b) Weeks per year	C/24-25	01-50	Punch No. ...
29	Last compulsory grade a) Science b) Literature	C/26-27 C/28-29	01-14 01-14	Punch grade Punch grade
	30	Science education i) together or separate ii) simultaneously or consecutively iii) when split	C/30 C/31 C/32	1 2 1 2 1 2 3 4 integrated separate simultaneously consecutively integrated sep. Pop. I sep. Pop. II sep. three/less
31a)	Parent teacher association	C/33	1 2	Yes No
	b) Frequency - meeting	C/34	1 2 3 4	once a year twice a year 3-5 times a year 6 or more times
	c) Activities social work Socio-cultural activities raising money curriculum parent education	C/35 C/36 C/37 C/38 C/39	1 2	checked not checked
	Agricultural, forestry and fishing engagement in school region	C/40	1 2 3 4 5	0 - 25% 26 - 50% 51 - 75% over 76%
	School structure No.	C/41-42	01-99	Punch structure
		C/43-80		Per National ...