

APPENDIX B

QUESTIONNAIRE

FOR STUDENTS PURSUING SCIENCE & TECHNOLOGY

The objective of this research is to obtain information on the participation of students studying science and technology (S & T) at the Secondary Schools.

This questionnaire which is made up of three parts, requires information on yourself, your family background and your views on issues which led you to pursue this study.

All information provided by you is purely for the purpose of this research and will remain confidential.

True and precise answers are most important in order to obtain meaningful results for this research.

Your contribution and cooperation is vital in this research towards the development of the country's future in science and technology.

Thank you. Your cooperation is most valuable and deeply appreciated.

This questionnaire document has 6 pages including this cover page.

It has 3 parts to be answered:

PART A: Personal and Family Background Details

PART B: Factors which Encourage Students to Further their Education to Higher Levels

PART C: Students' evaluation of the teaching of Science & Technology in school

PART A

Personal and Family Background Details

Instructions:

1. Read every question carefully.
 2. For each item with an answer bracket, indicate with a tick (/) for ONE answer only.
 3. Write your answer when and where required.
-

Personal Details

1. Name of School:

2. Gender

a. Male ()

b. Female ()

3. Race:

a. Chinese ()

b. Indian ()

c. Malay ()

d. Others ()

4. What made you opt for the science and technology stream? (You can select more than one option.)

a. Self interest ()

b. Parents' advice ()

c. Parents' preference ()

d. Decided by the school ()

e. Peer influence ()

f. Advice from school counselor ()

g. Information obtained from the media and internet ()

h. Information obtained from education exhibition ()

5. Are you satisfied studying in the science/technical stream?

a. Yes

b. No

6. Area of residence

- a. City/Town ()
- b. Outskirts of town ()

7. Family status

- a. Living with parents ()
- b. Living with mother only ()
- c. Living with father only ()
- d. Living with guardian (grandparents or closest relatives) ()
- e. Living in a welfare home or orphanage ()

Parents' Background Details

8. Family income per month (total household income)

- a. RM500 or below ()
- b. RM501 - RM1500 ()
- c. RM1501 - RM2500 ()
- d. RM2501 - RM3500 ()
- e. RM3501 - RM4500 ()
- f. RM4501 - RM5500 ()
- g. RM5500 above ()

9. Highest level of education achieved

- | | Father | Mother |
|-----------------------------|--------|--------|
| a. Did not attend school | () | () |
| b. Primary | () | () |
| c. Secondary | () | () |
| d. Upper Secondary (Form 6) | () | () |
| e. Polytechnic / College | () | () |

- f. University () ()
- g. Unknown () ()

10. Is your family involved in jobs associated with Engineering, Medicine or other fields associated with S & T? If yes, please answer question 11.

- a. Yes ()
- b. No ()

11. Who is involved in that job? (You can select more than one option.)

- a. Father ()
- b. Older sister / brother ()
- c. Mother ()
- d. Relatives ()

12. Would you consider pursuing your education in S & T field at the higher level?

- a. Yes ()
- b. No ()

PART B

Factors which Encourage Students to Further their Education to Higher Levels

The statements below are factors which are believed to have encouraged you to further education to higher levels. Select the most suitable answer based on the scale below. The scale of 'Totally Agree' indicates that the factor indeed encouraged you most to pursue the course and so on.

- 1 = Totally Disagree
- 2 = Disagree
- 3 = Quite Agree
- 4 = Agree
- 5 = Totally Agree

- 1. To widen knowledge in the S & T field ()
- 2. To increase thinking ability ()
- 3. To obtain skills/profession expertise in the S & T field ()
- 4. To achieve the desired profession ()
- 5. To obtain a profession suitable with the S & T field ()
- 6. To widen my social circle with other people in the S & T field ()
- 7. To obtain a profession with attractive and adequate salary ()
- 8. To improve family and self standards within the society ()
- 9. To follow the footsteps of my parent ()
- 10. To obtain a scholarship or loan when pursuing education at higher level ()

PART C

Students' evaluation of the teaching of Science & Technology in school

Select the most suitable answer based on the scale below. The scale of 'Strongly Agreed' indicates that the factor indeed encouraged you most to pursue the course and so on.

- 1 = Strongly Disagreed
- 2 = Disagree
- 3 = Quite Agree
- 4 = Agree
- 5 = Strongly Agreed

	Tick the best describes your answer	Strongly Disagreed			Strongly Agreed	
		1	2	3	4	5
1	Textbook and/or materials were useful.					
2	The lessons were organized and prepared.					
3	The lessons were interesting, clearly presented and helped my understanding of the subject.					
4	The lessons were well taught and encouraged student participation.					
5	The lessons were challenging and raised my understanding of the subject.					
6	The lessons were intellectually demanding.					
7	The teachers were knowledgeable about the S & T subjects.					
8	Opportunities were provided for student participation.					
9	The subject met my needs and goals for furthering my study.					
10	The class room and the other facilities were of an acceptable standard.					

(Source: Parts A & B adapted from Sufean & Norliza, 2009, pp. 164-179.)