

Secondary School

To be filled in by
Technology Education KLA
Coordinator * / Panel Head

Survey on the Implementation of Key Learning Area Curricula in Schools 2003

The Curriculum Development Institute of the Education and Manpower Bureau has commissioned the Division of Social Studies of City University of Hong Kong to conduct a survey entitled "Survey on the Implementation of Key Learning Area Curricula in Schools 2003". The information collected will be used to make decisions on how to support teachers and heads better in the implementation of the curriculum reform. Please fill out the questionnaire and pass it on to the Principal or the representative of your school on or before 23 July 2003. All the information collected will be **kept in strict confidence**. If you have any questions, please contact our Research Assistant Ms Flora Fu at 2788 9034. Thank you for your cooperation!

*If your school has not yet appointed a Coordinator for this KLA, please pass the questionnaire to the panel head or academic master who is most familiar with the relevant subjects. When filling in the questionnaire, the teacher should respond from the perspective of the KLA Coordinator.

Please read the statements in this questionnaire carefully. Then check the appropriate box for your chosen answer or write down your answers in the space provided.

Section A Aims and Strategies of School Curriculum Development

1. The statements below refer to the aims of the current school curriculum reform that schools should achieve within 10 years. To what extent do you agree with these aims?	Strongly Disagree	Disagree	No Opinion	Agree	Strongly Agree	Don't Know
<p>Students will</p> <ul style="list-style-type: none"> • recognize their roles and responsibilities as members in the family, society and the nation; and show concern for their well-being • understand their national identity and be committed to contributing to the nation and society • develop a habit of reading independently • engage in discussion actively and confidently in English and Chinese (including Putonghua) • develop creative thinking and master independent learning skills (e.g. critical thinking, information technology and self-management) • possess a breadth and foundation of knowledge in the eight Key Learning Areas • lead a healthy lifestyle and develop an interest in and appreciation of aesthetic and physical activities 						

2. The statements below refer to the aims of the Technology Education Key Learning Area curriculum. To what extent do you agree with these aims?	Strongly Disagree	Disagree	No Opinion	Agree	Strongly Agree	Don't Know
<p>Every learner</p> <ul style="list-style-type: none"> • should develop their Technological Capability to identify needs, problems and opportunities; communicate and evaluate solutions; and make informed decisions • should develop their Technological Understanding to understand the interdisciplinary nature of technological activities; the concepts, knowledge and processes of different technologies • Should develop their Technological Awareness to be aware of the cultural and contextual dependence of developing technologies, and their impact on the individual, family, society and environment 						

3. The statements below refer to the short-term (2002-06) focuses of curriculum development in the Technology Education Key Learning Area. To what extent do you agree with these focuses of development?	Strongly Disagree	Disagree	No Opinion	Agree	Strongly Agree	Don't Know
<p>Schools and teachers focus on</p> <ul style="list-style-type: none"> enhancing student learning: from skill-based or content-based teaching towards learning and teaching for a balanced development of technological capability, understanding and awareness broadening TE learning through integrated learning and life-wide learning enhancing students' problem solving skills and creativity through design activities providing core and extensions so as to enable students to study different learning elements and excel in areas of their own choice 						

4. Have you read the following key curriculum documents? If you have, to what extent do you find the documents useful in leading the Technology Education Key Learning Area curriculum reform in your school?	Have not yet read	Have read				
		Not Helpful	Slightly Helpful	Helpful	Very Helpful	No Opinion
a) <i>Basic Education Curriculum Guide (Primary 1 – Secondary 3)</i>						
b) <i>Technology Education Key Learning Area Curriculum Guide (Primary 1 – Secondary 3)</i>						
c) <i>Computer and Information Technology Curriculum and Assessment Guide (Secondary 4 – Secondary 5)</i>						
d) <i>Science and Information Technology Curriculum and Assessment Guide (Secondary 4 – Secondary 5)</i>						

	No Continuity	Some Continuity	High Degree of Continuity	Don't Know
5. To what extent do you think there is continuity between the S1-S3 Technology Education curriculum and the existing school certificate S4-S5 Technology subject?				

6. Other views and suggestions for this section (Aims and Strategies of School Curriculum Development):

Section B Confidence and Competence in Implementing Curriculum Reform

7. As a curriculum leader / teacher of the Technology Education Key Learning Area, - how confident are you in implementing the following strategies in your school? - how competent are you in implementing these strategies?	Confidence Level					Competence Level				
	Low < ----- > High					Low < ----- > High				
	0	1	2	3	4	0	1	2	3	4
a) Co-ordinate the development of the school curriculum, and of the learning, teaching and assessment policies										
b) Play a leading role in building a culture of team work and collaboration among teachers										
c) Enhance the professional development of teachers by promoting active learning and reflection in the implementation of learning and teaching strategies										
d) Solicit support from the school management in implementing the curriculum reform										
e) Make full use of community resources to enhance curriculum development										
f) Lead teachers to carry out annual review of the development of the curriculum as well as learning, teaching and assessment practices										
g) Design a school-based curriculum to facilitate a smooth transition from Primary Six to Secondary One										
h) Design a school-based curriculum to facilitate a smooth transition from Secondary Three to Secondary Four										
i) Design appropriate learning tasks and activities to help students work towards the learning targets and objectives										
j) Enable students to construct knowledge, acquire skills; and develop positive values and attitudes through project learning										

	Confidence Level					Competence Level				
	Low <-----> High					Low <-----> High				
	0	1	2	3	4	0	1	2	3	4
k) Promote reading to learn so as to help students develop their independent learning capabilities and keep themselves updated										
l) Incorporate civic and moral education into the learning activities of the subject / Key Learning Area										
m) Promote interactive learning through the use of information technology										
n) Use effective strategies to cater for learner diversity (e.g. adapting/adjusting the learning focus, materials, tasks and assessment)										
o) Use assessment as a basis for providing feedback to students										
p) Design diversified modes of homework to reflect the learning focuses										
q) Use diversified modes of assessment to assess the learning process and effectiveness										
r) Design diversified learning materials to cater for the learning needs of students										
s) Mobilise the school resources to facilitate the implementation of a diversity of learning activities										
t) Provide appropriate support and opportunities to promote students' independent and life-wide learning										

8. Other views and suggestions for this section (Confidence and Competence in Implementing Curriculum Reform):

Section C Teachers' Professional Development

	Very Inadequate	Inadequate	Adequate	Very Adequate	No Opinion
9. Opportunities for teachers' professional development in different domains of curriculum development have been provided. To what extent do you find them adequate ?					

10. Below are some ways to promote teachers' professional development in relation to curriculum reform. In your opinion, how effective are they in enhancing your professionalism?	Not Effective	Slightly Effective	Effective	Very Effective	No Opinion
a) Discussion among colleagues					
b) Collaborative lesson planning					
c) Peer observation					
d) Action research					
e) Attending seminars and workshops					
f) Attending in-service teacher development courses					
g) Independent study					
h) Others (Please specify): _____					

11. Other views and suggestions for this section (Teachers' Professional Development):

Section D Effectiveness of Learning and Teaching Strategies

12. Has your school implemented the following strategies in the learning and teaching of Technology Education? If yes, how effective do you think they are in enhancing student learning?	Not yet Implemented	Implemented, and it is				
		Not Effective	Slightly Effective	Effective	Very Effective	No Opinion
a) Design learning tasks and activities to help learners work towards the learning targets and objectives						
b) Reorganize related subjects to achieve teaching objectives through integrated learning						
c) Design a school-based curriculum following the direction of the central curriculum framework						
d) Provide appropriate learning experiences to help students to acquire the knowledge and concepts of the three strands of Technology Education learning, develop generic skills and positive values and attitudes						
e) Develop strategies to enhance students' technological capability, technological understanding and technological awareness by following the guiding principles of learning and teaching stipulated in the curriculum guide						
f) Use effective strategies to cater for learner diversity (e.g. adapting/adjusting the learning focus, materials, tasks and assessment)						
g) Adopt diversified modes of assessment to provide feedback for improving student learning						
h) Design appropriate assessment tasks to replace some of the tests and examinations						
i) Design diversified learning materials to cater for the learning needs of students						
j) Provide appropriate support and opportunities to promote students' independent and life-wide learning						

13. Has your school adopted the following learning and teaching strategies suggested in the curriculum reform documents of the Technology Education Key Learning Area?	Not yet Implemented	Implemented, and it is				
		Not Effective	Slightly Effective	Effective	Very Effective	No Opinion
a) Workshop/Laboratory session						
b) Exploratory learning						
c) Case studies						
d) Job attachment						
e) Visits to organizations						
f) Mentorship programmes by professionals						
g) Participation in technology-oriented competitions						

14. Other views and suggestions for this section (Effectiveness of Learning and Teaching Strategies):

Section E Factors Affecting the Curriculum Reform

15. To what extent are the following factors helpful in implementing the Technology Education curriculum reform in your school?	Not Helpful	Slightly Helpful	Helpful	Very Helpful	No Opinion
a) Societal expectations on the role of Technology Education in helping Hong Kong to keep abreast of the technological advancement in the world					
b) Parents' understanding of the importance of Technology Education in preparing our next generation to meet the challenges of a rapidly changing world					
c) Recent experiences of curriculum reform in Technology Education from other countries for reference					
d) Experiences and practice generated from recent curriculum development as a platform for implementing Technology Education curriculum reform					
e) Previous teacher professional development courses as a preparation for developing the Technology Education curriculum					
f) Participation of different sectors of the society in Technology Education					

16. Have the following factors hindered, helped or not affected the implementation of the Technology Education curriculum reform in your school?	Serious Hindrance	Slight Hindrance	No effect	Of Some Help	Of Great Help	No Opinion
a) Understanding among teachers about the aims of the curriculum reform						
b) Coordination among various reforms implemented in schools in recent years						
c) The pace of curriculum change/reform						
d) Resources (e.g. manpower, funding)						
e) Leadership of the School Head						
f) Attitudes of parents						
g) Teachers' workload						
h) Students' adjustment to the teaching approaches promoted in the curriculum reform						

17. Other views and suggestions for this section (Factors Affecting the Curriculum Reform):

Section F Impact of the Implementation of the Technology Education Curriculum Reform

18. To what extent do students benefit from the implementation of the Technology Education curriculum reform in your school?	Not Significant < ----- > Very Significant				
	0	1	2	3	4
a) Students' motivation and interest in learning Technology Education are enhanced					
b) Students' communication skills are enhanced					
c) Students' critical thinking skills are enhanced					
d) Students' creativity is enhanced					
e) Enhancing student's ability to utilize their technological knowledge and skills (e.g. using easily available materials and equipment) to solve problems in their daily life					
f) Enhancing students' knowledge, skills and awareness of technology					
g) Providing diversified learning opportunities for students to explore, experience and get familiarized with technology					
h) Developing students' positive values and attitudes					

19. How far have you benefited in your own professional development from implementing the Technology Education curriculum reform in your school?	Not Significant < ----- > Very Significant				
	0	1	2	3	4
a) Subject knowledge is enhanced					
b) Teaching strategies are enhanced					
c) Knowledge about curriculum development is enhanced					
d) Skills for developing and evaluating the school-based curriculum are enhanced					
e) Skills for developing assessment strategies are enhanced					

20. Other views and suggestions for this section (Impact of the Implementation of the Technology Education Curriculum Reform):

Section G School Curriculum Planning

	Not yet planned	Planned, but not yet developed	Already begun to develop
21. As a curriculum leader in the Technology Education Key Learning Area, have you planned the school-based curriculum of this Key Learning Area from now to 2006?			

22. What is the state of affairs in your school with regard to the following modes of curriculum planning and organization?	Not yet planned	Planned, but not yet developed	Already begun to develop
a) Allocate sufficient curriculum time (per week/cycle) to Technology Education KLA (The suggested time allocation for schools implementing Technology Education is 8-15% of the total curriculum time whereas that for schools emphasizing Technology Education could be 25-35% of the total curriculum time)			
b) Plan and structure curriculum flexible and incorporate alternative curricula (e.g. computer networking, hair design or image design) to provide work-related learning experiences			

23. Which of the following modes of Technology Education learning experience has your school adopted in Secondary One to Secondary Three in this academic year ? (multiple options acceptable)

Cross-curricular learning

Cross-KLA learning

Collaborative teaching of subjects

Theme-based learning

Learning through modular curriculum

Students' life experience as a basis for organising learning elements

24. Other views and suggestions for this section (School Curriculum Planning):

Section H Personal Particulars

1. a) Total number of years of teaching:

0 –5 years

6 – 10 years

11 – 15 years

15 years or above

b) Total number of years of teaching in this school:

0 –5 years

6 – 10 years

11 – 15 years

15 years or above

c) Total number of years of teaching in the subject:

0 –5 years

6 – 10 years

11 – 15 years

15 years or above

2. Qualifications (multiple options acceptable)

Teacher's Certificate

Advanced Certificate in Teacher Education

Bachelor Degree

Postgraduate Diploma/ Certificate of Ed

Master Degree

Doctoral Degree

Others(Please specify): _____

3. Teacher training (multiple options acceptable)

Chinese Lang Ed

English Lang Ed

Mathematics Ed

Science Ed

Technology Ed

General Studies

Arts Ed

Physical Ed

Personal, Social & Humanities Ed

Section I Additional Comments

1. In your opinion, what additional measures will facilitate the implementation of the Technology Education curriculum reform?

2. In your opinion, what other obstacles will hinder the implementation of the Technology Education curriculum reform?

3. With regard to the implementation of the Technology Education curriculum reform, what insights would you like to share?

4. Other comments/recommendations:

~ End of Questionnaire. Thank you ! ~