

Appendix V

St. Francis' Canossian College Form 1 Project Learning (2002-2003) "Science Kids"

1. General Information

Item	Content
Topic	Scientific Investigation
Form	1
Class	4 (1A, 1B, 1C, 1D)
No. of students involved	168 (4 x 42)
Key Learning Area	Science education, Technology
Subjects concerned	Integrated Science, Information Technology, Library Skill, English
No. of teachers involved	Mentors: 16 One coordinator in each class
Implementation period	September 2002 – June 2003

2. Objectives for project learning

- ✧ To transform teaching from telling about to doing
- ✧ To provide opportunities for students to pursue their own interests
- ✧ To facilitate students integrating knowledge of different subject areas
- ✧ To infuse *life skills* into the acquisition of knowledge
(*life skills*: collaborative learning, communication skills, research/ data gathering, analysis and synthesis of information, critical thinking and creative skills, IT skills, problem solving skills & experimental skills)
- ✧ To enable students to gain self-confidence in self learning

3. Structure

- ✧ Students will work in a team of 5 to 6 members. There will be 8 groups in one class. They are grouped according to their class number.
- ✧ Four groups of one class will be supervised by 2 mentors throughout the year.
- ✧ Every cycle, there will be 5 lessons (a triple lesson and a double lesson) for project learning.
- ✧ Small group discussion will be adopted. Half of the class will be allocated to their own classroom, the other half to the laboratory.

4. Mentors

Class	Mentors
1A	Ms. V Yan*, Ms. Q. Kwok, Mr. K. Law, Ms. V Liang
1B	Ms. J. Wan*, Mrs. E. Fu, Ms. V. Chan, Ms. K. Lee
1C	Mr. H.K. Kan*, Mr. W.M. Wong, Mr. Mak, Ms. A. Lee
1D	Mr. K.M. Tang*, Mr. C.W. Shek, Mrs. D. Yuen, Ms. S. Tsoi

The role of mentors is to observe, guide and aid in the growth of a less experienced person and provide him with a frank assessment of his progress over an extended period of time. (Appendix V.1)

Besides, mentors have to work in groups to prepare the lesson plans, teaching packages and assessment for every lesson. (Appendix V.2)

5. **Working Schedule** (Appendix V.3)

6. **Assessment**

Students' Assignments:

- Continuous Assessment on students' works (from Oct to June)
 - ✓ Students should keep a portfolio of their works in a clear holder
 - ✓ Students should have a log book for recording their daily work
- Presentation of proposals (transparencies only) (in Jan & Feb.)
It provides a chance for the students to introduce their own project to the fellow classmates and respond to the questions raised by teachers and students. From which, students can learn collaboratively and effectively. Therefore, their thinking skills can be enhanced.
- Final presentation of the report (through Powerpoint presentation) (in May)
- A group written report should be submitted. (in June)

Criteria of Assessment:

Process (60%)	<ul style="list-style-type: none"> ● Inquiry mind/ investigation mind ● Cooperation ● Organization skill ● Participation/ motivation 	<ul style="list-style-type: none"> ● 6% Daily routine works (0, 1, 2 mark system) 	<ul style="list-style-type: none"> ● assessed by 2 mentors
		<ul style="list-style-type: none"> ● 12% proposal (Appendix V.4) + presentation 	<ul style="list-style-type: none"> ● assessed by 4 mentors
		<ul style="list-style-type: none"> ● 6% Experiment skills (Appendix V.5) 	<ul style="list-style-type: none"> ● assessed by 2 mentors
		<ul style="list-style-type: none"> ● 36% Individual Process Effort (Appendix V.6) 	<ul style="list-style-type: none"> ● assessed by 2 mentors

Product (40%)	<ul style="list-style-type: none"> • Content <ul style="list-style-type: none"> - organization - analysis - creativity • Presentation skills <ul style="list-style-type: none"> - use of IT - use of language 	• 20% Written report	• assessed by 2 mentors
		• 20% Final Presentation	• assessed by 4 mentors

7. **Evaluation** (Appendix II)