

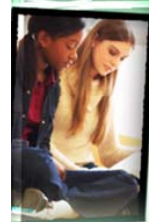


Project-based Learning with ICT

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The Chinese Foundation Secondary School

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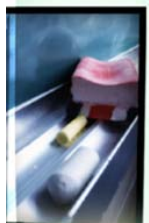


The Chinese Foundation Secondary School

- Direct Subsidised School
- Founded in 2000 (Millennium School)
- Located in Siu Sai Wan (East of Chai Wan)



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Project-based Learning

- It is a well structured course. Students learn theories in lessons and carry out the projects outside school timetable
- All S.2 students need to do a project to investigate certain social or scientific topics.
- Students are divided into groups of six or seven members under the supervision of a teacher.
- Regular meetings will be held for supervisors to check students' progress and provide guidance if necessary

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Choosing Topics

- Topics are chosen by students and supervisors discuss the feasibility with students.
- Examples of topics:
 - How consumer choose sunscreen and its relationship with the sun blocking effect?
 - To what extent do students in Hong Kong participate in recycling programmes?
 - How to choose the best eraser?
 - The factors affecting people in choosing mobile phones

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Formulating Project Titles

- Mind Maps
 - Hand drawn
 - Drawing tool in PowerPoint
 - FreeMind (a smaller portion)
 - CmapTools (a smaller portion)

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Visit



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Survey



Interview



Experiment



Data Analysis



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Report

- Acknowledgment
- Abstract
- Aims and Objectives
- Literature Review
- Methodology
- Result and Analysis
- Conclusion
- List of references
- Appendices
- Sample

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Presentation





Creative Media

- Adopted in the IT curriculum
- Students learn basic photographic skills, video-taking and video-editing techniques.
- They can use what they have learnt in class to present their ideas vividly through a video.
- Creativity, organisational and presentation skills have been cultivated in the process.
- Some resented their PBL projects using video, thus creating a lively presentation of the projects.
- Demo video: Wan Chai Heritage



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HD Campus TV

- The first and the only secondary school in HK
- Support for Creative Media, Liberal Studies, PBL



ICT Tools: Rubistar

- <http://rubistar.4teachers.org>
- Online tool to create versatile rubrics to evaluate students' performance



CATEGORY	4	3	2	1
Content	Covers topic in-depth with details and examples. Subject knowledge is excellent. Provide examples of excellence.	Includes essential knowledge about the topic. Subject knowledge appears to be good.	Includes essential information about the topic but there are 1-2 factual errors.	Content is minimal OR there are several factual errors.
Originality	Product shows a large amount of original thought. Ideas are creative and inventive.	Product shows some original thought. Work shows new ideas and insights.	Uses other people's ideas (giving them credit), but there is little evidence of original thinking.	Uses other people's ideas, but does not give them credit.
Collaboration	The workload is divided and shared equally by all team members. Team members use new and effective ways to collaborate. All team members contribute ideas.	The workload is divided and shared fairly by all team members, though workloads may vary from person to person.	The workload was divided, but one person in the group is viewed as not doing his/her fair share of the work.	The workload was not divided OR several people in the group are viewed as not doing their fair share of the work.

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Future Development

- ICT Classroom (2010)
 - 72"/96" Electronic whiteboard
 - 55"/60" LCD/plasma TV with touch screen
 - 22"/25" Multi-touch smart PCs
 - Online Collaborative Software: OneNote
 - Notebooks for each student
 - Wireless LAN support
- Support for ICT, PBL, Liberal Studies



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Thank you!