附錄三

純粹數學科(高級程度)的學與教資源

I. 參考書目

書名	作者	出版社	年份
An English-Chinese Glossary of Terms Commonly Used in the Teaching of Mathematics in Secondary Schools	Curriculum Development Council	Government Printer	1991
Report on Holistic Review of the Mathematics Curriculum	Curriculum Development Council	Government Printer	2000
Learning to Learn: Key Learning Area Mathematics Education – Consultation Document	Curriculum Development Council	Government Printer	2000
Learning to Learn -The Way Forward in Curriculum Development	Curriculum Development Council	Government Printer	2001
Mathematics Education Key Learning Area Curriculum Guide (Primary 1 – Secondary 3)	Curriculum Development Council	Government Printer	2002
A Century of Calculus Part I 1894-1968 (The Raymond W. Brink Selected Mathematical Papers)	T. M. Apostol, et al.	The Mathematical Association of America	1992
A Century of Calculus Part II 1969-1991	T. M. Apostol, et al.	The Mathematical Association of America	1992
A Course in Pure Mathematics	Margaret M. Gow	Hodder	1990
A Course of Pure Mathematics	G.H.Hardy	Cambridge Uni. Press	1993
A History of Mathematics	C. B. Boyer U. Merzbach	John Wiley & Sons	1991
Advanced Level Pure Mathematics	S.L. Green	UTP	1989
Advanced Level Pure Mathematics	C. J. Tranter	The English Universities Press Ltd.	1975
Elementary Calculus	F. Bowman	Longman	1977
Further Pure Mathematics	L. Bostock, S. Chandler & C. Rourke	Trans-Atlantic Publications	1994

書名	作者	出版社	年份
Improving Mathematics Teaching with DERIVE	B. Kutzler	Chartwell-Bratt	1996
Introduction to Elementary Calculus	S. R. Hsieh	Luen Shing Printing Co.	1991
Mathematics – The Core Course for A-Level	L.Bostock & S.Chandler	ELBS	1992
Schaum's Outline of College Mathematics	P.Schmidt & F.Ayres	McGraw-Hill	2003
Schaum's Outline Series: Theory and Problems of Finite Mathematics	S.Lipschutz & J. Schiller	McGraw-Hill	1994
Symbolic Manipulation by Computers and Calculators – Information, Ideas and Implications for Mathematics Teaching 14-21	A. Oldknow & J. Flower	The Mathematical Association of America	1996
Techniques of Mathematical Analysis	C. J. Tranter	Hodder	1990
The Tutorial Algebra (Vol. 1 & 2)	Briggs & Bryan	University Tutorial Press	1960
幼獅數學大辭典 (上、下)	數學教研室	幼獅文化事業	1982
高中三角學	陳明哲	中央書局	1976
高等數學	胡海清	湖南科學技術	1988
基礎微積分	邵之泉、華青等	知識	1987
微分、積分(上下合併)	嚴水謨譯	晨光	1989
微積分探原	吳英格譯	徐氏基金會	1989
數學分析 (上、下)	復旦大學數學系	商務	1995
數學分析習題集	李榮凍譯	商務	1986
數學和數學家的故事 (1-7)	李學數	廣角鏡	1978-1997
數學歷史典故	梁宗巨	九章	1995
數學歸納法	華羅庚	商務	1989
標準高等代數學 (上、下)	陳明哲	中央書局	1978
標準解析幾何	陳明哲	中央書局	1976

II. 通用軟件

1 Cabri Geometry *(Texas Instruments)*

2 Calculus 1.0 *(Ashay Dharwadker)*

3 Derive *(Texas Instruments)*

4 FX Draw *(Efofex Software)*

5 Geometer's Sketchpad *(Key Curriculum Press)*

6 Graphmatica *(KSoft Inc.)*

7 Journey Through Calculus *(Brooks/Cole Group)*

8 Maple *(Waterloo Maple)*

9 Mathematica *(Wolfram Research)*

10 Microsoft Excel *(Microsoft Corporation)*

11 Scientific Notebook *(TCI Software Research)*

12 Winplot *(Peanut Software)*