

剑桥中文学校教学计划 (Fall /2011-2012 —— Fall /2011-2012)

年级 5 学科 数学 教师 丁是

页码: 1

日期	教学内容	掌握的基础知识和技能	教学重点及难点	课时	作业	辅助教材
09月 11日 11年	Review the basic Elementary Math	Observation and judgments With basic mathematics Knowledge	Understand the concepts and make use of it in different situations	2	Selected math and challenge problems in MCAS and Math League.	Provide multiple sources include Official test Problems; MCAS & Math League
09月 18日 & 25日 11年	Multiplication -Distribution and Combination Law	Think about the shortcut	Logic thinking and good judgments	4	Try to Finish and Understand At Class. Allow to Finish Practice Problems at Home	Provide multiple sources include Official test Problems; MCAS & Math League
10月 2日 11年	Multiplication- Distribution And Combination Law	Understand the concepts and Make use of them in real life	Understand the concepts and Make use of it in different situations	2	Try to Finish and Understand At Class. Allow to Finish Practice Problems at Home	Provide multiple sources include Official test Problems; MCAS & Math League
10月 9日 11年	Number Sense. Computing in the easiest and shortest way	Understand place values and Short cut	Solve the problem by using equation as tools	2	Try to Finish and Understand At Class. Allow to Finish Practice Problems at Home	Provide multiple sources include Official test Problems; MCAS & Math League

剑桥中文学校教学计划 (Fall /2011-2012 —— Fall /2011-2012)

年级 5 学科 数学 教师 丁是

页码: 2

日期	教学内容	掌握的基础知识和技能	教学重点及难点	课时	作业	辅助教材
10月 16日 11年	Guess My Rule	Understand the meaning of Equation and know how to Solve equation	乘法 concept and application	2	Try to Finish and Understand At Class. Allow to Finish Practice Problems at Home	Provide multiple sources include Official test Problems; MCAS & Math League
10月 23日 11年	Mixed Computation	Computation order And Short cut	The steps to do 乘数是两位数 or 多位数的乘法	2	Try to Finish and Understand At Class. Allow to Finish Practice Problems at Home	Provide multiple sources include Official test Problems; MCAS & Math League
10月 30日 11年	Continue using multiplication and distribution Law	Meaning of Equation. How to represent and solve unknown	Represent the equation and Solve unknown	2	Try to Finish and Understand At Class. Allow to Finish Practice Problems at Home	Provide multiple sources include Official test Problems; MCAS & Math League
11月 06日 11年	Solving Equation CL Math League Test I	Logic Thinking and Problem Solving ability using current knowledge	Problem with certain depth From Standard tests; MCAS, Math Competition tests and Math League Tests	2	Try to Finish and Understand At Class. Allow to Finish Practice Problems at Home	Provide multiple sources include Official test Problems; MCAS & Math League

剑桥中文学校教学计划 (Fall /2011-2012 —— Fall /2011-2012)

年级 5 学科 数学 教师 丁是

页码: 3

日期	教学内容	掌握的基础知识和技能	教学重点及难点	课时	作业	辅助教材
11月 13日 11年	Word Problems	Logic Thinking and Problem Solving ability using current knowledge	Problem with certain depth From Standard tests; MCAS, Math Competition tests and Math League Tests	2	Try to Finish and Understand At Class. Allow to Finish Practice Problems at Home	Provide multiple sources include Official test Problems; MCAS & Math League
11月 20日 11年	Multiplication law with geometry	Understand the application And usage in geometry	Divide concepts and logic thinking in various applications	2	Try to Finish and Understand At Class. Allow to Finish Practice Problems at Home	Provide multiple sources include Official test Problems; MCAS & Math League
12月 04日 11年	Multiplication law with geometry continues	Logic Thinking and Problem Solving ability using current knowledge	Problem with certain depth From Standard tests; MCAS, Math Competition tests and Math League Tests		Try to Finish and Understand At Class. Allow to Finish Practice Problems at Home	Provide multiple sources include Official test Problems; MCAS & Math League
12月 11日 11年	Factors	Logic Thinking and Problem Solving ability using current knowledge	Problem with certain depth From Standard tests; MCAS, Math Competition tests and Math League Tests		Try to Finish and Understand At Class. Allow to Finish Practice Problems at Home	Provide multiple sources include Official test Problems; MCAS & Math League

剑桥中文学校教学计划 (Fall /2011-2012 —— Fall /2011-2012)

年级 5 学科 数学 教师 丁是

页码: 4

日期	教学内容	掌握的基础知识和技能	教学重点及难点	课时	作业	辅助教材
12月 18日 11年	Tree Factors CL Math League Test II	Be able to compute the factors Of given numbers And understand the prime numbers	Problem with certain depth From Standard tests; MCAS, Math Competition tests and Math League Tests	2	Try to Finish and Understand At Class. Allow to Finish Practice Problems at Home	Provide multiple sources include Official test Problems; MCAS & Math League
01月 08日 12年	Multiples	Understand the multiples and Be able to compute multiples For a given number	Logic Thinking and lots of practices.	2	Try to Finish and Understand At Class. Allow to Finish Practice Problems at Home	Provide multiple sources include Official test Problems; MCAS & Math League
01月 15日 12年	Multiples Continue	Understand the Principles and Be able to use it in Applications	Logic Thinking and lots of practices.	2	Try to Finish and Understand At Class. Allow to Finish Practice Problems at Home	Provide multiple sources include Official test Problems; MCAS & Math League
01月 22日& 29日 12年	Units Measurement & Decimal	Understand the Principles and Be able to use it in Applications	Logic Thinking and lots of practices.	4	Try to Finish and Understand At Class. Allow to Finish Practice Problems at Home	Provide multiple sources include Official test Problems; MCAS & Math League

剑桥中文学校教学计划 (Fall/2011-2012 —— Fall /2011-2012)

年级 5 学科 数学 教师 丁是

页码: 5

Sample Practice Problems:

1. Half the people at the party left. One third of those remaining started to dance. There were then 12 people who were not dancing. How many people were originally at the party?

2. Amanda went shopping with a certain amount of money. She spent $\frac{1}{4}$ of it on shoes, $\frac{1}{5}$ of it on lunch, and \$78 of it on cloths. She had \$21 left. How much money did she have at first?

3. A cuboid has square base of area 225 cm². The length of the cuboid is $\frac{3}{5}$

of its height/ How much is the volume of the cuboid.