



## CHIJ Our Lady of the Nativity

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Dear Parents / Guardian

### **TEACHING OF MATHEMATICS HEURISTICS**

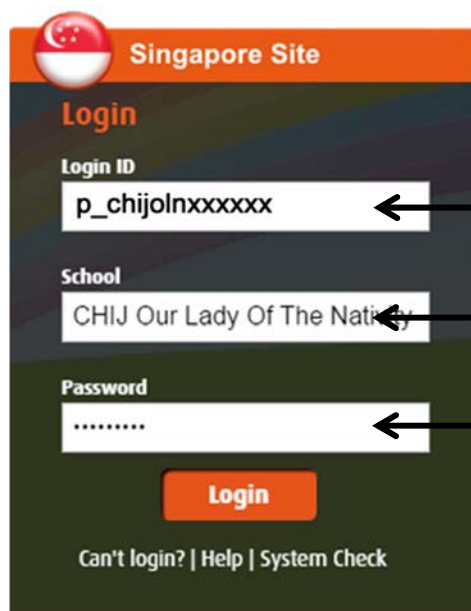
1. Mathematical problem solving is central to Mathematics learning. Pupils have to apply four types of Mathematical abilities, namely specific *Mathematical concepts, skills, processes and metacognition* to solve problems. In the category *processes* is the use of heuristics, general methods or strategies that are used to achieve a solution to a given problem. In school, pupils are taught how to use these heuristics to solve problems.
2. As parents, you play an integral part in your daughter's education and we would like to share with you how some of these heuristics are taught. Our Mathematics department has developed a teaching package on the use of heuristics that we would like to share with you.
3. The following heuristics can be found in the package.

Level	Skills	Duration (min)
Primary 3	Model Drawing Working	2:07
	Patterns With Constant Change	3:20
	Restating The Problem	1:36
	Working Backwards Part 1	4:08
	Working Backwards Part 2	6:22
Primary 4	Working Backwards Part 1	5:18
	Working Backwards Part 2	2:20
	Before-After Concept	14:17
	Points and Spaces 1	2:58
	Points and Spaces 2	3:18
	Points and Spaces 3	2:45
Primary 5	Restate the Problem	3:04
	Before-After Concept	3:25
	Points and Spaces	2:46
	Working Backwards	4:11
Primary 6	Restate the Problem	1:45
	Working Backwards	3:39
	Before-After Concept	3:00
	Constant Value Concept	1:40

4. Please find below the instructions to access the package.

To optimise the MCOonline LMS functions, you are advised to use the Google Chrome browser when accessing the portal.

- a) Type in the following URL: [www.mconline.sg](http://www.mconline.sg)



For Parents, please type in as follows:  
**p\_CHIJOLNxxxxxx (x is the last six characters of your child's BC number)**

**Select CHIJ Our Lady of the Nativity**

The default password for first time access is:  
**XXXXXXXX**

You are required to change your password after accessing it. Your new password should have capital letters, lower case and numbers with a minimum of 8 characters. Due to security requirements, you are not allowed to use your name or BC number as your new password.

If you encounter any difficulty in accessing the portal, please click the 'Can't login' or the 'Help' link below the login button for help.

- b) The relevant lesson package will be assigned to your account and can be found under the '**View My Current Assignment**' at the left panel of the screen once you are logged in.
5. We hope that you will find the package beneficial. Do contact Mrs Tan Cheh Hia, Senior Teacher (Mathematics) ([tan\\_cheh\\_hia@moe.edu.sg](mailto:tan_cheh_hia@moe.edu.sg)) should you need further clarification.

Thank you & God bless

Ms Christina Teo  
Principal