

Seeing Possible

Ocular & Visual Therapy Certificate Program

About the Course

Ocular Motor function affects our daily lives unconsciously and significantly. Our eyes always move before our hands, and good eye control is needed to perform a reach, grasp and release efficiently and accurately. Ocular function also helps us maintain balance and social eye contact. Visual Function refers to visual perception and binocular function. Working together with ocular motor function, we can read, copy, and write efficiently and accurately. In this course, we are going to discuss the theory, assessment and intervention of ocular, binocular, and visual perceptual skills with and without the use of computer programs. Three specially designed programs: EyeFit, EyeSym, and EyeCue will also be explained in detail.

Learning Objectives

- Able to evaluate Ocular Motor/ Eye Movement problems (Pursuit, Saccade) with EyeFit and clinical observations
- Able to evaluate Binocular Function with EyeSym and clinical observations
- Able to evaluate Visual Function for reading and visual searching with EyeCue, and able to name at least 1 other reading and visual searching test.
- Able to explain how Ocular and Visual Function affects daily lives, academic performance and play
- Able to select appropriate interventions for training and overcoming the challenges

About the Speaker

Mr. Stephen Chan is an Occupational Therapist with over 15 years of working experience. He is also a certified Irlen Diagnostician, and HWT Handwriting Specialist (level 1). He is one of the developers of EyeFit, EyeSym, and EyeCue, as well as one of the founders of Possible Technology and the Ocular and Visual Therapy Certificate Program.



Date

8th – 9th Apr, 2020 (Wed & Thu)

Time

9:30am - 5:30pm (Lunch will not be provided)

Venue

CREST Child Rehabilitation & Education Service Team

Room 706, Peninsula Tower, No. 538 Castle Peak Road, Kowloon, HONG KONG.

(About 5 mins walk from MTR Lai Chi Kok Station, Exit B1)

Seeing Possible

Ocular & Visual Therapy Certificate Program

Instructor

Mr. Stephen CHAN, Occupational Therapist

Target Audience

Occupational Therapist, Speech Therapist, Physiotherapist, Clinical and Educational Psychologist, Teachers, and anyone interested in ocular and visual function.

Medium of Instruction

English

Course Fee & Deadlines

Early Bird registration by 11th Feb, 2020 with an **extra HK\$100 discount per module**
Standard registration by 16th Mar, 2020

Website : <http://www.crest.hk/seeingpossible/>; www.possibletechnology.com

Fee : *SP101 : Eye Movement Certificate Module*

HKD \$1,500 (Course only) / \$8,000 (Course + Software)

SP102 : Binocular Certificate Module

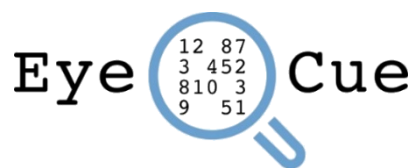
HKD \$700 (Course only) / \$6,000 (Course + Software)

SP103 : Reading and Visual Search Certificate Module

HKD \$700 (Course only) / \$4,000 (Course + Software)

✧ *The above three modules can be registered separately*

✧ *Group Registration with 2 or more people will receive an extra 5% off discount.*



EYE FIT
眼動綜合訓練系統



eyesym

* Software purchased in the course does not include the Tobii eyetrackers, which is needed for EyeFit, and some of the functions in EyeSym.

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Ocular & Visual Therapy Certificate Program

Certificate:

Certificate of Attendance: 100% Attendance of the module.

Level 1: Holder of Certificate of Attendance with an 80% accuracy of the online quiz.

Level 2: Holder of Level 1 Certificate with completion of two case studies

- ❖ With Assessment results of EyeFit for SP101, EyeSym for SP102, and EyeCue for SP103
- ❖ Video showing the assessment or intervention using EyeFit for SP101, EyeSym for SP102, and EyeCue for SP103 appropriately

Content of Day 1

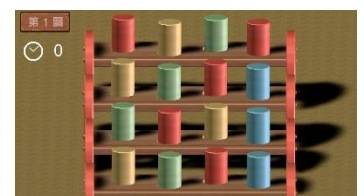
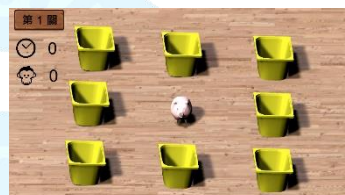
1. Eye Movement Module

AM

- Impact of Eye Movements
- Anatomy of Eye Movements (6 Ocular Muscles, and Yoke Muscle Synergy)
- Four types of Eye Movements (Pursuit, Saccade, VOR, OKR)
- Evaluating and trainings on Eye Movements
- 4 types of trainings in EyeFit: P Q R S (Pursuit、Quick Localization、Rhythmic Localization, Sequential Localization)
- 4 gradation parameters in eye movement training: R E A D

PM

- The theory behind the Game Design
- Installation of eye tracker and EyeFit
- Practice on the software
- Example of analysis of Game Results Data
- Introduction of Gaze Viewer's application
- Introducing other application of eye trackers



Content of Day 2

AM

1. Binocular Function

- What is Binocular Function
- Impact of Binocular Dysfunction and Amblyopia in daily lives and learning
- How to Assess Binocular Function
- How to use a computer-based program EyeSym to Assess and Train Binocular Function:
 - In EyeSym, candidate needs to put on a pair of special glasses (one side with red lens, and the other side with green or blue lens.)
 - Through the red lens, candidate's eye can only see the red part, through the green lens, candidate can only see the green part.
 - In order to play the game, player has to use both eyes to see both red and green part at the same time.

Fig 1: Assessment

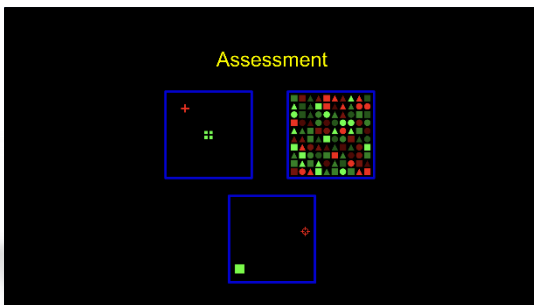
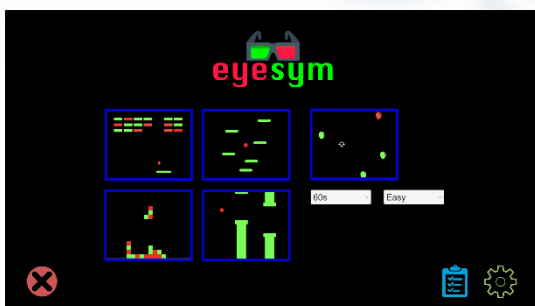


Fig 2: Training



PM

2. Reading and Visual Search

- Evaluate reading and visual search function clinically without access to computer
- Evaluate reading and visual search function clinically with EyeCue:
 - [READ] : Through reading out numbers/ alphabets/ Chinese characters that are packed orderly (fig 3) and arranged scatter with spaces in a line, we understand the reading automaticity and ocular function. The software would record the voice of candidate.

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8 5 7 4 5 8 2 3 2 8 6
1 5 0 7 3 6 3 0 4 5 3
9 7 4 3 9 0 5 2 8 6 3
5 4 6 8 2 1 6 1 0 8 6
0 2 1 0 6 9 7 5 2 1 0
3 6 9 2 4 3 9 1 6 5 3
0 4 5 3 9 1 0 4 9 7 4
7 5 1 4 1 2 9 5 9 8 9
7 5 9 0 1 0 9 7 9 3 2
2 7 6 7 8 2 9 8 6 5 2
    
```

Fig 3: Packed

```

6 3      2      3 7 9
2 4 0      8 5 9
8      7 4 7 5 0
8 0 9      0 9 5
4      8 6 5 0 2
6 3      3 9 0 5
2 6
9 4 6 0 3 4 6 0 5 0 2 5
9 1 1 1 6 9 1 0 2 4 7
9 6      3 4 7 1 7 3 2 6 1 7 4
1      1 5 9 6 1 2 4 2 0 4 4
9 7 8 8 3 1 7 0 6 3 1
Fi 3 6 9 6 5 1 4 5 2 0 8
7 7 4 9 9 6 9 6 1 5 2
6 9 7 1 8 5 5 3 1 3 9
0 0 3 6 7 4 2 7 8 2 7
9 1 9 4 4 4 8 2 1 6 0
    
```

FIND, e.g. search for a target number.

- [FIND] : Through finding out a target numbers/ alphabets/ Chinese characters, we understand the candidate's ability in visual scanning and visual search. It also helps us to understand more of his/ her ability in figure ground perceptions. The software would record the sequence in picking up the target numbers by the candidate.
- [COLOUR] : Through the process of eliminating the least preferred background colours, the most comfortable and least stressful background colour for the candidate could be identified. The candidate can then be re-evaluated with [READ] and [FIND] as mentioned above for a justification of effectiveness of using certain background colour in reading.



Registration & Payment

For Local Applications:

- By *cheque*:

Payable to “**CREST Child Rehabilitation and Education Service Team**”

- * Please **send** to the address below together **with the registration form**:

“To: CREST Child Rehabilitation and Education Service Team
Room 706, Peninsula Tower, No. 538 Castle Peak Road,
Lai Chi Kok, Kowloon, Hong Kong (SAR)”

- By *Automatic Teller Machine (ATM)*:

Bank / Account No.: **HSBC / 634-388821-838**

Bank Account Name: **TSRCL T/A CCR&EST**

- * Please **write down YOUR FULL NAME and COURSE NAME on the bank advice slip** (i.e. 2020.04 Seeing Possible) and **email together with registration form** to info@crest.hk.

For International Applications:

- By *Telegraphic Transfer (TT)*

* Please see the attached “Telegraphic Transfer (TT) Instructions for CREST” for details, and **email the TT bank advice slip together with registration form** to info@crest.hk.

Terms & Conditions

(i) Notification:

Notification will be sent individually through email once your application and payment have been received.

(ii) Confirmation:

The confirmation will be sent individually through email by **19th Feb, 2020** for early-bird registrations and **19th March, 2020** for standard registrations.

(iii) Receipt:

- Official receipt will be distributed on the first day of the course;
- HK\$500 administrative fee will be needed if:
 - a) re-issuing receipt with returning of original receipt, or
 - b) certified true copy of receipt is requested.

(iv) Re-issuing Certificate:

- For re-issuing certificate, HK\$150 administrative fee will be requested for each certificate.

(v) Withdrawal Policy:

- No transfer of the fee to other courses or another person upon confirmation of enrollment;
- HK\$500 administrative fee will be requested if written request for cancellation is received on or before **9th Feb, 2020**. Refund would NOT be arranged after that day.

(vi) CREST Child Rehabilitation and Education Service Team reserves the right on final decision on enrollment, changing time, venue and contents and cancellation of the course due to unforeseeable circumstances.

REGISTRATION FORM

Title: Dr. Mr. Ms.

Surname: _____ Given Name: _____

Preferred name appeared on official receipt: _____ Same as Registered Name / _____

Preferred name appeared on certification: _____ Same as Registered Name / _____

Organization: _____ Profession#: _____

Country: _____ Phone No.: _____ Email*: _____

***Please state clearly for receiving notification and confirmation (preferably personal email).**

Payment

Module	Item		Individual Registration	Group of 2 or more <i>*Please list out the full names of other participants in your group:</i>
Eye Movement	Course ONLY	After 11 th Feb, 2020	<input type="checkbox"/> HK \$1,500 each	<input type="checkbox"/> HK \$1,425 each
		On or before 11 th Feb 2020	<input type="checkbox"/> HK \$1,400 each	<input type="checkbox"/> HK \$1,325 each
	Course and Software	After 11 th Feb, 2020	<input type="checkbox"/> HK \$8,000 each	<input type="checkbox"/> HK \$7,600 each
		On or before 11 th Feb 2020	<input type="checkbox"/> HK \$7,900 each	<input type="checkbox"/> HK \$7,500 each
Binocular	Course ONLY	After 11 th Feb, 2020	<input type="checkbox"/> HK \$700 each	<input type="checkbox"/> HK \$665 each
		On or before 11 th Feb 2020	<input type="checkbox"/> HK \$600 each	<input type="checkbox"/> HK \$565 each
	Course and Software	After 11 th Feb, 2020	<input type="checkbox"/> HK \$6,000 each	<input type="checkbox"/> HK \$5,700 each
		On or before 11 th Feb 2020	<input type="checkbox"/> HK \$5,900 each	<input type="checkbox"/> HK \$5,600 each
Reading and Visual Search	Course ONLY	After 11 th Feb, 2020	<input type="checkbox"/> HK \$700 each	<input type="checkbox"/> HK \$665 each
		On or before 11 th Feb 2020	<input type="checkbox"/> HK \$600 each	<input type="checkbox"/> HK \$565 each
	Course and Software	After 11 th Feb, 2020	<input type="checkbox"/> HK \$4,000 each	<input type="checkbox"/> HK \$3,800 each
		On or before 11 th Feb 2020	<input type="checkbox"/> HK \$3,900 each	<input type="checkbox"/> HK \$3,700 each
Tobii Eye Tracker 4C (For EyeFit and part of EyeSym)				<input type="checkbox"/> HK \$1,500 each
TOTAL			HKD: _____	

- Cash (Date: _____)
- ATM / Online Transfer (Date: _____ Ref. No.: _____)
- Cheque (No.: _____ Bank: _____)
- Telegraphic Transfer (Date: _____ Bank: _____)

Declaration

In no event shall CREST Child Rehabilitation and Education Service Team and its employees be liable to the participants for any costs, losses, damage, liabilities or expenses arising directly or indirectly from the course.

I hereby confirm that I have read, understood and agreed with all the terms and conditions and withdrawal policy stated for the course.

I would / would not like (please delete as appropriate) to receive updates from CREST Child Rehabilitation and Education Service Team in the future.

Signature: _____ Date: _____

Staff Use Only

Remarks:

Receipt No.:	
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