

**THE UNIVERSITY OF HONG KONG 香港大學**

**PUBLIC OPINION PROGRAMME 民意研究計劃**

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**Public Opinion Programme  
The University of Hong Kong**

**The Hong Kong Jockey Club Charities Trust**

**Jointly conducted**

**Parent Perception Survey on  
Computation Thinking 2018**

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**Questionnaire**

**August 22, 2018**

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The Public Opinion Programme (POP) was established in June 1991 at the Social Sciences Research Centre under the Faculty of Social Sciences of the University of Hong Kong. It was transferred to the Journalism and Media Studies Centre of the University of Hong Kong in May 2000, and then back to the Faculty of Social Sciences in January 2002.

香港大學民意研究計劃在一九九一年六月成立，初時隸屬香港大學社會科學學院的社會科學研究中心，二零零零年五月轉往香港大學新聞及傳媒研究中心，二零零二年一月再轉回香港大學社會科學學院管轄。

## Part 1 Introduction

Good evening! My name is X. I am an interviewer at the Public Opinion Programme of The University of Hong Kong. We are conducting an opinion survey on kindergarten, primary and secondary school parents' perception on **computational thinking**. I would like to invite you to participate in an interview which will take 10 minutes. Is it okay for us to start this survey?

Yes → Continue to introduction

No → Interview ends, thank you for your cooperation, bye-bye

Don't have kindergarten, primary and secondary school parents at home → Interview ends, thank you for your cooperation, bye-bye

I would like to stress that your number is randomly drawn from our database and your responses will be kept strictly confidential within the university's research team. All data collected will be used for aggregate analysis only. If you have any questions about the research, you can call xxxx-xxxx to talk to our supervisors. If you want to know more about the rights as a participant, please contact The University of Hong Kong (full name: Human Research Ethics Committee for Non-Clinical Faculties of The University of Hong Kong) at xxxx-xxxx during office hours. For quality control purpose, our conversation will be recorded for internal reference. All data containing personal identifiers and the recording will be destroyed within six months upon project completion. Is it okay for us to start this survey?

[S1] Is the telephone number here xxxx-xxxx ?

Yes → S2

No → Interview ends, thank you for your cooperation, bye-bye

## Part II Selection of Respondents

### [For landline samples]

[S2] Are there any **Cantonese-speaking parents whose child / children is / are studying in kindergarten, primary or secondary school?** 【If there are no eligible interviewee, interview ends, thank you for your cooperation, bye-bye】

Yes → Start the interview [If the target respondent is not the one who answers the phone, please invite the target respondent to answer the phone and the interviewer re-introduces himself / herself]

Yes, more than one, \_\_\_\_\_ (exact number) → Ask S3

No → Interview ends, thank you for your cooperation, bye-bye.

Refuse to answer → Interview ends, thank you for your cooperation, bye-bye.

[S3] Since there is more than one available, we hope that all qualified family members have the equal chance to be interviewed. I would like to speak to the one who will have his / her **birthday next**. (Interviewer can ask: “Is there anyone whose birthday is in August/ September or the coming three months?”) Is it okay for us to start now?

Yes - The one answered the phone is the respondent → Start the interview

Yes - Another family member is the respondent → Start the interview 【interviewer please repeat the self-introduction and read out, “For quality control purpose, our conversation will be recorded for internal reference. All data containing personal identifiers and the recording will be destroyed within six months upon project completion.”】

The qualified family member is not at home / not available → 【interviewer please arrange another time for interview】

No - Family member refuses to answer → Interview ends, thank you for your cooperation, bye-bye

No - Respondent refuses to answer → Interview ends, thank you for your cooperation, bye-bye

### [For mobile samples]

[S4] Are you a **Cantonese-speaking parent whose child / children is / are studying in kindergarten, primary or secondary school?**

Yes → Start the interview

No → Interview ends, thank you for your cooperation, bye-bye

Refuse to answer → Interview ends, thank you for your cooperation, bye-bye

## Part III Opinion Questions

[Q1-2] How important do you think each of the following items is to your children's development? Please rate on a scale from 0 to 10, with 0 indicating not important at all, 5 indicating half-half and 10 indicating very important. [Read out items a to g, order to be randomized by computer, interviewers to probe the rating of each item]

- a) Chinese
- b) English
- c) Arts
- d) Physical Education
- e) Mathematics and Technology
- f) History and Culture
- g) General Studies / Liberal Studies

\_\_\_\_\_ (0-10 marks, exact number)

Don't know / hard to say

Refuse to answer

[Q3-4] Before this interview, have you ever heard of the following items? If yes, have you heard of it / them before or after the summer vacation in 2016? [Read out items a to d, must read out each item in Chinese and English]

- a) STEM 教育 / STEM education
- b) 電腦程式編寫 / Coding
- c) 計算思維 / 運算思維 / Computational thinking
- d) 數碼創意 / Digital creativity

Answers for each option:

Yes, have heard of it before the summer vacation in 2016

Yes, have heard of it after the summer vacation in 2016

Yes, but can't remember when

Yes, but refuse to answer when

No

Don't know / hard to say

Refuse to answer

[Q5] Have you ever heard of the "CoolThink@JC" project (賽馬會運算思維教育計劃)? [Must read out the name in Chinese and English]

Yes

No

Can't remember

Refuse to answer

[Interviewers read out: Computational thinking education aims at inspiring students in digital creativity and problem-solving in daily life, as well as coping with innovation and challenges in future.]

[Q6] How much do you support or oppose The Hong Kong Jockey Club Charities Trust to continue promoting computational thinking? [Interviewers to probe intensity]

- Very much support
- Quite support
- Half-half
- Quite oppose
- Very much oppose
- Don't know / hard to say
- Refuse to answer

[Q7-12] How much do you agree or disagree with the following statements? Please rate on a scale from 0 to 10 on with 0 indicating very much disagree, 5 indicating half-half and 10 indicating very much agree. [Read out items 1 to 6, interviewers to probe scores]

- [Q7] Learning coding means becoming programmers in the future
- [Q8] Learning coding is as important as learning English
- [Q9] I am worried that computational thinking will lead to the excessive use of mobile phones and computers by my children
- [Q10] Learning computational thinking via coding can help my children to enhance problem-solving skills and creativity
- [Q11] Learning computational thinking via coding can help my children to enter different industries in the future
- [Q12] Computational thinking education is not conducive to the future development of my children

\_\_\_\_\_ (0-10 marks, exact number)

- Don't know / Hard to say
- Refuse to answer

[Interviewers read out: if you have more than one child, please answer the following questions with respect to the child who is studying in primary 4 to 6. The second priority goes to the one studying in primary 1 to 3, then secondary school and finally kindergarten. If there are more than one child in the same group (e.g. more than one studying in primary 4 to 6), please answer with respect to the younger child.]

[Q13] Is your child learning computational thinking via coding? If yes, is s/he learning it at school or outside?

- Yes, learning at school
- Yes, learning outside
- Yes, learning at both school and outside
- Yes, but don't know where the place of learning
- Yes, refuse to answer the place of learning
- No
- Don't know / hard to say
- Refuse to answer

[Q14] Do you agree or disagree to incorporating education on computational thinking into the regular curriculum of secondary schools and primary schools, which means teaching it during the lessons of Computer, General Studies or Liberal Studies? [Interviewers to probe intensity]

- Very much agree (Ask Q15)
- Quite agree (Ask to Q15)
- Half-half (Skip to DM1)
- Quite disagree (Skip to Q16)
- Very much disagree (Skip to Q16)
- Don't know / Hard to say (Skip to DM1)
- Refuse to answer (Skip to DM1)

[Q15] [Only ask respondents who answered "very much agree" or "quite agree" in Q14] Why do you agree? [Do not read out options, multiple answers allowed]

- Help in continuing study (including easier to find a better school)
- Help in learning different subjects
- Help in training children's problem solving skills
- Help in enhancing children's creativity
- Children are interested to learn
- Help children in building up future career
- Help children in entering the IT industry
- Help in learning one more thing / technique
- Follow social trend
- Other family's children have learnt
- No special reason / let the children learn if they have time
- Transform the habit of playing electronic games into creativity or something useful
- Learn a technique which is necessary in the digital era
- Others, please specify: \_\_\_\_\_
- Don't know / hard to say
- Refuse to answer

[Q16] [Only ask respondents who answered "very much disagree" or "quite disagree" in Q14] Why do you disagree? [Do not read out options, multiple answers allowed]

- Cannot help in continuing study
  - Want children to focus on study
  - Children are not interested to learn
  - Children have no time to learn
  - No need to learn / time-wasting
  - Cannot help in children's future career
  - Prevent children from entering the IT industry in the future
  - Prevent children from playing electronic games / excessively using mobile phone or computer
  - Primary school students are too young
  - Students are under too much pressure
  - Computational thinking is not universal / is too new
-

Teachers might not know how to teach  
Cannot understand the benefits of computational thinking  
Lack of ideas of what is computational thinking  
Others, please specify: \_\_\_\_\_  
Don't know / hard to say  
Refuse to answer

## Part IV Demographics

We would like to ask you some personal information for aggregate analyses. Please rest assured that your information provided will be kept strictly confidential.

[DM1] Gender

Male  
Female

[DM2a] Age

\_\_\_\_\_ (Exact age)  
Refuse to answer

[DM2b][For those who do not want to tell their exact age] Age interval [Interviewer can read out the intervals]

18-19  
20-29  
30-39  
40-49  
50-59  
60-69  
70 or above  
Refuse to answer

[DM3] Education level

Primary or below  
Secondary school (Form 1 to 3)  
High school (Form 4 to 7 / DSE / the Diploma Yi Jin)  
Tertiary, non-degree (including Diploma / Certificate / Associate Degree)  
Tertiary, degree (including Degree / Postgraduate or above)  
Refuse to answer

[DM4] Occupation

Executives and professionals  
Clerical and service workers  
Production workers  
Students  
Homemakers  
Retired  
Unemployed / non-workers / between jobs  
Others, please specify: \_\_\_\_\_  
Refuse to answer

[DM5] What is / are your child / children studying? [If more than one child, please record the education level of every child, multiple answers allowed, one of the children must be studying in kindergarten, primary school or secondary school]

Not yet entered school, \_\_\_\_\_ child(ren)  
 Kindergarten, \_\_\_\_\_ child(ren)  
 Primary school, \_\_\_\_\_ child(ren)  
 Secondary school, \_\_\_\_\_ child(ren)  
 Tertiary, non-degree, \_\_\_\_\_ child(ren)  
 University, \_\_\_\_\_ child(ren)  
 Working, \_\_\_\_\_ child(ren)  
 Non-working and non-studying, \_\_\_\_\_ child(ren)  
 Refuse to answer

[DM6] Which of the following best describes your family's economic condition? [read out the first five options]

Very good  
 Quite good  
 Fair  
 Not quite good  
 Not good at all  
 Don't know / hard to say  
 Refuse to answer

[DM7] Which type of housing do you live? [p.s. please pay attention to the "rent / sublet / owned" conditions and the types of property]

Rent public housing  
 Sublet public housing  
 Self-owned public housing  
 Rent subsidised Home Ownership Scheme housing  
 Sublet subsidised Home Ownership Scheme housing  
 Self-owned subsidised Home Ownership Scheme housing  
 Rent private housing  
 Sublet private housing  
 Self-owned private housing  
 Others, please specify: \_\_\_\_\_  
 Refuse to answer

*The interview is finished. Thank you for your time. Good-bye.*