Secondary School Study
Student Perception of Computers

ITT
DUBLIN
Institute of Technology Tallaght
Institiúid Teicneolaíochta Tamhlacht

Roisin Faherty, Keith Quille

To be completed before the camp.

1. What age are you (years)? **1 2**

2. Please select your gender. **[✓]** MALE [ ] FEMALE [ ] OTHER [ ] DON'T WANT TO DECLARE

3. How many hours do you spend playing computer games **per day** (console or phone)? **2**

4. How many hours do you spend on social media (eg snapchat) **per day**? **4**

5. How many **hours a week** do you work at a part time job (**0** if none)? **5**

6. At what level are you currently studying Math's?

   [✓] HIGHER [ ] ORDINARY [ ] OTHER | Most recent math's result **66** %

7. What science subject(s) do you study?

   [ ] PHYSICS [✓] BIOLOGY [ ] CHEMISTRY [ ] SCIENCE [ ] NONE

8. Name any two computing / IT jobs that you know of?

   | App Developer | Data Analysis |

9. I would consider a career in computing / IT / programming.
   (✓) Strongly Agree ( ) Agree ( ) No Opinion ( ) Disagree ( ) Strongly Disagree

10. I am good at using IT, so I think I will be good at computing / programming.
    ( ) Strongly Agree **(✓) Agree** ( ) No Opinion ( ) Disagree ( ) Strongly Disagree

11. Give two reasons that would **discourage you** from a career in computing / IT / programming?

    | Too hard | Not my thing |

12. Name two role models / idols that you have and their job?

    | Name Michael O'Leary Job Ryanair | Name Bill Gates Job Microsoft |

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13. Are any of your family members working in computing / IT? ☑ YES ☐ NO

If so, what family member(s) is it (eg, parent, guardian, brother, sister etc.)

Cousin

14. Have you any previous computing experience (even attended a single day)? Select one or many areas:

☐ CODER DOJO ☑ IN SCHOOL ☑ CAMP ☐ SELF TAUGHT ☐ OTHER

If you selected any from Q14, was the general experience:

☑ GOOD ☐ NEITHER GOOD OR BAD ☐ BAD

And why (short answer, under 4 words)

I was too young at the time

To be completed after the camp.

1. I would now consider a career in computing / IT.
   ☑ Strongly Agree ◯ Agree ◯ No Opinion ◯ Disagree ◯ Strongly Disagree

2. The camp showed me what a career in computing / IT really was.
   ☑ Strongly Agree ◯ Agree ◯ No Opinion ◯ Disagree ◯ Strongly Disagree

3. The camp showed / highlighted that I was **no good** at programming or computing.
   ◯ Strongly Agree ☑ Agree ◯ No Opinion ◯ Disagree ◯ Strongly Disagree

4. Give two things that you **did not know** about computing / programming until after the camp?

   Python   Coding

5. I was better than I first thought (**before the camp**) at programming / computing.
   ◯ Strongly Agree ☑ Agree ◯ No Opinion ◯ Disagree ◯ Strongly Disagree

6. Any feedback / comments about the camp (good or bad)?

   I would like to learn more

Thank you for taking this survey.

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To be completed before the camp.

1. What age are you (years)? | 1 3 |

2. Please select your gender. [ ] MALE [✓] FEMALE [ ] OTHER [ ] DON'T WANT TO DECLARE

3. How many hours do you spend playing computer games **per day** (console or phone)? | 5 |

4. How many hours do you spend on social media (eg snapchat) **per day**? | 2 |

5. How many **hours a week** do you work at a part time job (**0** if none)? | 1 4 |

6. At what level are you currently studying Math's?
   [✓] HIGHER [ ] ORDINARY [ ] OTHER | Most recent math's result | 6 7 |%

7. What science subject(s) do you study?
   [ ] PHYSICS [ ] BIOLOGY [✓] CHEMISTRY [ ] SCIENCE [ ] NONE

8. Name any two computing / IT jobs that you know of?

   | Data Science | Networking |

9. I would consider a career in computing / IT / programming.
   ( ) Strongly Agree ( ) Agree (✓) No Opinion ( ) Disagree ( ) Strongly Disagree

10. I am good at using IT, so I think I will be good at computing / programming.
    ( ) Strongly Agree ( ) Agree (✓) No Opinion ( ) Disagree ( ) Strongly Disagree

11. Give two reasons that would **discourage you** from a career in computing / IT / programming?

    | Too much to learn | Not interesting |

12. Name two role models / idols that you have and their job?

    | Name Steve Jobs Job Apple | Name Valentino Rossi Job Professional bike racer |

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13. Are any of your family members working in computing / IT? ✓ YES ☐ NO

If so, what family member(s) is it (eg, parent, guardian, brother, sister etc.)

Brother

14. Have you any previous computing experience (even attended a single day)? Select one or many areas:

✓ CODER DOJO ☐ IN SCHOOL ☐ CAMP ✓ SELF TAUGHT ☐ OTHER

If you selected any from Q14, was the general experience:

✓ GOOD ☐ NEITHER GOOD OR BAD ☐ BAD

And why (short answer, under 4 words)

I couldn't type fast enough

To be completed after the camp.

1. I would now consider a career in computing / IT.
   (✓) Strongly Agree ◯ Agree ◯ No Opinion ◯ Disagree ◯ Strongly Disagree

2. The camp showed me what a career in computing / IT really was.
   (✓) Strongly Agree ◯ Agree ◯ No Opinion ◯ Disagree ◯ Strongly Disagree

3. The camp showed / highlighted that I was **no good** at programming or computing.
   (✓) Strongly Agree ◯ Agree ◯ No Opinion ◯ Disagree ◯ Strongly Disagree

4. Give two things that you **did not know** about computing / programming until after the camp?

   | Programming | Data Science |

5. I was better than I first thought (**before the camp**) at programming / computing.
   ◯ Strongly Agree (✓) Agree ◯ No Opinion ◯ Disagree ◯ Strongly Disagree

6. Any feedback / comments about the camp (good or bad)?

   Good fun

Thank you for taking this survey.

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To be completed before the camp.

1. What age are you (years)? **14**

2. Please select your gender. **☑ MALE**   ☐ FEMALE   ☐ OTHER   ☐ DON'T WANT TO DECLARE

3. How many hours do you spend playing computer games **per day** (console or phone)? **3**

4. How many hours do you spend on social media (eg snapchat) **per day**? **5**

5. How many **hours a week** do you work at a part time job (**0** if none)? **17**

6. At what level are you currently studying Math's?

   ☐ HIGHER   **☑ ORDINARY**   ☐ OTHER | Most recent math's result **78** %

7. What science subject(s) do you study?

   ☐ PHYSICS   ☐ BIOLOGY   ☐ CHEMISTRY   **☑ SCIENCE**   ☐ NONE

8. Name any two computing / IT jobs that you know of?

Programming	Software Developer

9. I would consider a career in computing / IT / programming.

   ☑ Strongly Agree   ○ Agree   ○ No Opinion   ○ Disagree   ○ Strongly Disagree

10. I am good at using IT, so I think I will be good at computing / programming.

   ○ Strongly Agree   ○ Agree   ○ No Opinion   **☑ Disagree**   ○ Strongly Disagree

11. Give two reasons that would **discourage you** from a career in computing / IT / programming?

Other interests	Not my thing

12. Name two role models / idols that you have and their job?

Name James Deone	Name Cristiano Ronaldo
Job Professional drift racer	Job Footballer

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13. Are any of your family members working in computing / IT? ☑ YES ☐ NO

If so, what family member(s) is it (eg, parent, guardian, brother, sister etc.)

Sister

14. Have you any previous computing experience (even attended a single day)? Select one or many areas:

☑ CODER DOJO ☐ IN SCHOOL ☐ CAMP ☐ SELF TAUGHT ☐ OTHER

If you selected any from Q14, was the general experience:

☑ GOOD ☐ NEITHER GOOD OR BAD ☐ BAD

And why (short answer, under 4 words)

Too hard for me at the time

To be completed after the camp.

1. I would now consider a career in computing / IT.
   ☑ Strongly Agree   ○ Agree   ○ No Opinion   ○ Disagree   ○ Strongly Disagree

2. The camp showed me what a career in computing / IT really was.
   ○ Strongly Agree   ☑ Agree   ○ No Opinion   ○ Disagree   ○ Strongly Disagree

3. The camp showed / highlighted that I was **no good** at programming or computing.
   ☑ Strongly Agree   ○ Agree   ○ No Opinion   ○ Disagree   ○ Strongly Disagree

4. Give two things that you **did not know** about computing / programming until after the camp?

   | Data Analysis | Bebras Challenge |

5. I was better than I first thought (**before the camp**) at programming / computing.
   ☑ Strongly Agree   ○ Agree   ○ No Opinion   ○ Disagree   ○ Strongly Disagree

6. Any feedback / comments about the camp (good or bad)?

   I found it very interesting

Thank you for taking this survey.

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Roisin Faherty, Keith Quille

To be completed before the camp.

1. What age are you (years)? **15**

2. Please select your gender. ☐ MALE ☑ FEMALE ☐ OTHER ☐ DON'T WANT TO DECLARE

3. How many hours do you spend playing computer games **per day** (console or phone)? **4**

4. How many hours do you spend on social media (eg snapchat) **per day**? **4**

5. How many **hours a week** do you work at a part time job (**0** if none)? **2**

6. At what level are you currently studying Math's?
☑ HIGHER ☐ ORDINARY ☐ OTHER | Most recent math's result **88** %

7. What science subject(s) do you study?
☑ PHYSICS ☐ BIOLOGY ☐ CHEMISTRY ☐ SCIENCE ☐ NONE

8. Name any two computing / IT jobs that you know of?

| Software Engineer. | Web Design |

9. I would consider a career in computing / IT / programming.
○ Strongly Agree ○ Agree ○ No Opinion ☑ Disagree ○ Strongly Disagree

10. I am good at using IT, so I think I will be good at computing / programming.
○ Strongly Agree ○ Agree ○ No Opinion ○ Disagree ☑ Strongly Disagree

11. Give two reasons that would **discourage you** from a career in computing / IT / programming?

| Other interests | Too hard |

12. Name two role models / idols that you have and their job?

| Name Lionel Messi | Name Thierry Henry |
| Job Footballer | Job Footballer |

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13. Are any of your family members working in computing / IT? ☑ YES ☐ NO

   If so, what family member(s) is it (eg, parent, guardian, brother, sister etc.)

   Uncle

14. Have you any previous computing experience (even attended a single day)? Select one or many areas:

   ☐ CODER DOJO   ☐ IN SCHOOL   ☐ CAMP   ☐ SELF TAUGHT   ☐ OTHER

   If you selected any from Q14, was the general experience:

   ☐ GOOD   ☐ NEITHER GOOD OR BAD   ☐ BAD

   And why (short answer, under 4 words)

   It didn't interest me

To be completed after the camp.

1. I would now consider a career in computing / IT.
   ○ Strongly Agree   ○ Agree   ○ No Opinion   ○ Disagree   ☑ Strongly Disagree

2. The camp showed me what a career in computing / IT really was.
   ○ Strongly Agree   ○ Agree   ○ No Opinion   ☑ Disagree   ○ Strongly Disagree

3. The camp showed / highlighted that I was **no good** at programming or computing.
   ○ Strongly Agree   ○ Agree   ☑ No Opinion   ○ Disagree   ○ Strongly Disagree

4. Give two things that you **did not know** about computing / programming until after the camp?

   | Micro Bit | Python |

5. I was better than I first thought (**before the camp**) at programming / computing.
   ○ Strongly Agree   ○ Agree   ☑ No Opinion   ○ Disagree   ○ Strongly Disagree

6. Any feedback / comments about the camp (good or bad)?

   Too hard for me

Thank you for taking this survey.

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To be completed before the camp.

1. What age are you (years)? **13**

2. Please select your gender. **✓ MALE**   ☐ FEMALE   ☐ OTHER   ☐ DON'T WANT TO DECLARE

3. How many hours do you spend playing computer games **per day** (console or phone)? **2**

4. How many hours do you spend on social media (eg snapchat) **per day**? **3**

5. How many **hours a week** do you work at a part time job (**0** if none)? **12**

6. At what level are you currently studying Math's?
   ✓ HIGHER   ☐ ORDINARY   ☐ OTHER | Most recent math's result **78** %

7. What science subject(s) do you study?
   ✓ PHYSICS   ☐ BIOLOGY   ☐ CHEMISTRY   ☐ SCIENCE   ☐ NONE

8. Name any two computing / IT jobs that you know of?

   | App Developer | Web Design |

9. I would consider a career in computing / IT / programming.
   ✓ Strongly Agree   ○ Agree   ○ No Opinion   ○ Disagree   ○ Strongly Disagree

10. I am good at using IT, so I think I will be good at computing / programming.
    ✓ Strongly Agree   ○ Agree   ○ No Opinion   ○ Disagree   ○ Strongly Disagree

11. Give two reasons that would **discourage you** from a career in computing / IT / programming?

    | Not interesting | Too much to learn |

12. Name two role models / idols that you have and their job?

    | Name Jeff Bezos | Name Michael O'Leary |
    | Job Amazon | Job Ryanair |

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13. Are any of your family members working in computing / IT? [✓] YES [ ] NO

If so, what family member(s) is it (eg, parent, guardian, brother, sister etc.)

Aunt

14. Have you any previous computing experience (even attended a single day)? Select one or many areas:

[ ] CODER DOJO   [ ] IN SCHOOL   [✓] CAMP   [✓] SELF TAUGHT   [ ] OTHER

If you selected any from Q14, was the general experience:

[✓] GOOD   [ ] NEITHER GOOD OR BAD   [ ] BAD

And why (short answer, under 4 words)

I found it very interesting

To be completed after the camp.

1. I would now consider a career in computing / IT.
   (✓) Strongly Agree   ( ) Agree   ( ) No Opinion   ( ) Disagree   ( ) Strongly Disagree

2. The camp showed me what a career in computing / IT really was.
   (✓) Strongly Agree   ( ) Agree   ( ) No Opinion   ( ) Disagree   ( ) Strongly Disagree

3. The camp showed / highlighted that I was **no good** at programming or computing.
   ( ) Strongly Agree   (✓) Agree   ( ) No Opinion   ( ) Disagree   ( ) Strongly Disagree

4. Give two things that you **did not know** about computing / programming until after the camp?

   | Data Analysis | Data Science |

5. I was better than I first thought (**before the camp**) at programming / computing.
   (✓) Strongly Agree   ( ) Agree   ( ) No Opinion   ( ) Disagree   ( ) Strongly Disagree

6. Any feedback / comments about the camp (good or bad)?

   I would now like to study computing in college

Thank you for taking this survey.