

## SET SURVEY

Version 15

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QUESTIONNAIRE POST-PILOT

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*Note: 'Don't know' and 'Prefer not to say' options are available as standard*

*Modularisation is shown by the question filters SAMPLE A and SAMPLE B, and these questions are also highlighted in yellow*

## 1. RESPONDENT DETAILS AND HOUSEHOLD INFORMATION

ASK ALL

### Intro

Welcome to the **Pathways** survey.

All of your answers will be kept completely confidential. If there is any question that you don't know the answer to or you don't wish to answer, just click Next to move on to the next one.

---

ASK ALL

### RespDet (single code)

First, we need to make sure we have the correct details for you.

Are these correct?

*SCRIPTING NOTE: Display respondent's name and address from sample*

<RESPONDENT NAME>

<RESPONDENT ADDRESS>

1 Yes

2 No

---

ASK IF RESPONDENT DETAILS ARE NOT CORRECT // IF RespDet = 2

### RespDetC (open ended)

What are the correct details?

*SCRIPTING NOTE: Display respondent's name and address from sample as on previous screen, but allow respondent to amend these.*

<RESPONDENT NAME>

<ADDRESS>

---

ASK ALL

### Year (single code)

Which academic year are you in?

If you are no longer in school or college, which year would you be in if you were still studying?

*SCRIPTING NOTE: Respondents who answer code 1 should be screened out of the survey*

1 Year 9, or below

1 Year 10

2 Year 11

3 Year 12

4 Year 13, or above

---

ASK ALL

**RespEmail** (*open ended*)

Once you have finished the survey, you will be able to choose your £10 e-voucher.

What is your email address?

*SCRIPTING NOTE: There should also be answer options for:*

- *Don't want to answer*
  - *Don't have an email address*
- 

ASK ALL

**HHComp** (*multi-code*)

Who lives with you in your home?

Choose all that apply.

HELP:

Sometimes people live in two different homes; this may be because their parents live in different places and they spend time in both homes. If this applies to you please answer for the home you live in most of the time.

- 1 Mother
- 2 Father
- 3 Mother's partner
- 4 Father's partner
- 5 Foster mother
- 6 Foster father
- 7 Grandparent(s)
- 8 Brother(s) (include half, step, foster brothers)
- 9 Sister(s) (include half, step, foster sisters)
- 10 Other relative(s)
- 11 Other non-relative(s)
- 12 I live in a care home *(single code)*
- 97 None of these / I live on my own *(single code)*

## 2. OUT OF SCHOOL ACTIVITIES

ASK ALL

**SciVisit** (*multi-code*)

Which of these have you been to in the last 12 months?

Choose all that apply. Think about trips with family and friends, school trips or trips abroad.

- 1 A science museum, science centre or planetarium
  - 2 A historical or cultural museum
  - 3 An art gallery
  - 4 A theatre
  - 5 A zoo or aquarium
  - 6 A science festival or event
  - 7 A science talk / lecture out of school
  - 97 None *(single code)*
- 

ASK IF VISITED SCIENCE MUSEUM // IF SciVisit = 1

**SciVisWho** (*multi-code*)

Who was with you the last time you visited a science museum, science centre or planetarium?

Choose all that apply.

- 1 Mother (including foster, step-mother)
  - 2 Father (including foster, step-father)
  - 3 Other family member
  - 4 Friend(s)
  - 5 School / college
  - 96 Other person
  - 97 No one / I was alone *(single code)*
-

ASK IF VISITED HISTORICAL/CULTURAL MUSEUM // IF SciVisit = 2

**CulVisWho** (*multi-code*)

Who was with you the last time you visited a historical or cultural museum?

Choose all that apply.

- 1 Mother (including foster, step-mother)
  - 2 Father (including foster, step-father)
  - 3 Other family member
  - 4 Friend(s)
  - 5 School / college
  - 6 Other person
  - 97 No one / I was alone (*single code*)
- 

ASK IF VISITED SCIENCE MUSEUM/SCIENCE CENTRE // IF SciVisit = 1

**SciVisFreq** (*single code*)

How often do you go to science museums, science centres or planetariums?

- 1 At least once a month
  - 2 Several times a year
  - 3 About once a year
  - 4 Less often
- 

ASK ALL

**SciMedia** (*multi-code*)

Which of these have you done in the last 12 months outside of school?

Choose all that apply.

- 1 Read about science (e.g. in a book, newspaper or online)
- 2 Watched science-related programmes / videos on TV or online (factual or fictional)
- 3 Listened to a podcast or radio programme about science
- 97 None (*single code*)

### 3. SCHOOL/COLLEGE SUBJECTS

ASK ALL

**YPEconAc** (*single code*)

Which of these best describes what you have been doing this past academic year (September 2015 to July 2016)?

If you moved from one place to another mid-year choose the one you spent most time at.

- 1 School
  - 2 Sixth form attached to school
  - 3 Sixth form college (not attached to school)
  - 4 Further Education College
  - 5 Paid work
  - 6 Government training scheme / Apprenticeship
  - 96 Something else (please tell us what) *Text box*
- 

ASK IF SAMPLE A

**SchSubEnj** (*drag and drop*)

At school, which of these subjects [do/did] you enjoy the most?

Rank your answers with 1 being the subject you [enjoy/enjoyed] the most and 7 the subject you [enjoy/ enjoyed] the least.

SCRIPTING NOTE: Text-fills are 'do' and 'enjoy' if in Year 10, otherwise 'did' and 'enjoyed'.

- 1 English
  - 2 Maths
  - 3 Biology
  - 4 Chemistry
  - 5 Physics
  - 6 History
  - 7 Foreign languages
-

ASK IF SAMPLE A

**SchSubJob** (*drag and drop*)

Thinking about young people in general, which of these subjects is most useful to help someone get a job?

Rank your answers with 1 being the most likely to lead to a job and 7 being the least likely.

- 1 English
  - 2 Maths
  - 3 Biology
  - 4 Chemistry
  - 5 Physics
  - 4 History
  - 5 Foreign languages
- 

ASK ALL

**SciInt** (*single code*)

How interesting do you find science lessons at school?

If you no longer study science, think back to when you were studying it.

HELP: By Science, we mean Biology, Chemistry and Physics

- 1 Very interesting
  - 2 Fairly interesting
  - 3 Not very interesting
  - 4 Not at all interesting
- 

ASK ALL

**SciEnc** (*single code*)

What has **encouraged** you to learn science?

Choose all that apply.

*SCRIPTING NOTE: Randomise answer list, although code 97 should always appear first.*

- 97 Nothing has encouraged me (*single code*)
- 1 It's easier than other subjects
- 2 I get good marks
- 3 I find science interesting
- 4 It's relevant to real life
- 5 Having a good teacher
- 6 Encouraged by family / friends
- 7 Fits with my future study / career plans

- 8 I like doing practical work / experiments
  - 9 I enjoy the maths involved
  - 96 Something else (please tell us what) *Text box*
- 

ASK ALL

**SciDis** (*single code*)

And what has **put you off** learning science?

Choose all that apply.

*SCRIPTING NOTE: Randomise answer list, although code 97 should always appear first.*

- 97 Nothing has put me off *(single code)*
  - 1 It's more difficult than other subjects
  - 2 I don't get good marks
  - 3 I don't find science interesting
  - 4 My friends are not interested in science
  - 5 Having a bad teacher
  - 6 Doesn't fit with my future study / career plans
  - 7 I don't like practical work / experiments
  - 8 Science isn't creative enough
  - 9 I find the maths difficult
  - 96 Something else (please tell us what) *Text box*



#### 4. CURRENT AND FUTURE STUDY

ASK IF YEAR 10 or 11

**CurSub** (*multi-code*)

Which of the following subjects have you been studying at GCSE?

Choose all that apply.

- 1 Biology
  - 2 Chemistry
  - 3 Physics
  - 4 Applied Science / Environmental Science / Sports Science / Science in Society
  - 5 Computer Science / Computing
  - 6 ICT
  - 7 Electronics / Engineering
  - 8 Design and Technology
  - 9 Geology
  - 10 Psychology
  - 97 None of these *(single code)*
- 

ASK ALL

**GCSESci** (*single code*)

Which science course [did you take / are you taking] in Year 10 and 11?

HELP: Triple Science GCSE: Biology, Chemistry and Physics, or Core Additional and Further Additional Science

*SCRIPTING NOTE: Text-fill is 'are you taking' if in Year 10, otherwise 'did you take'. The HELP box should appear after the Triple Science answer option (code 3).*

- 1 Single Science GCSE
  - 2 Double Science GCSE
  - 3 Triple Science GCSE
  - 96 Another science course (e.g. BTEC) *Text box*
- 

ASK IF NOT STUDY TRIPLE SCIENCE // IF GCSESci <> 3

**TripSciSch** (*single code*)

When you were choosing your GCSE options, did your school offer Triple Science?

HELP: Triple Science GCSE: Biology, Chemistry and Physics, or Core Additional and Further Additional Science

- 1 Yes, offered to all students

- 2 Yes, offered to some students
  - 3 No, not offered
- 

ASK IF TRIPLE SCIENCE NOT OFFERED BY SCHOOL // IF TripSciSch = 3

**TripSciNo** (single code)

Would you have wanted to study Triple Science if your school had offered it?

HELP: Triple Science GCSE: Biology, Chemistry and Physics, or Core Additional and Further Additional Science

- 1 Yes
  - 2 No
- 

ASK IF NOT STUDY TRIPLE SCIENCE BUT IT WAS OFFERED BY SCHOOL // IF TripSciSch = 1 or 2

**TripSci** (single code)

At the time, did you want to study [Single Science / Double Science / this science course] or would you have preferred to take Triple Science?

HELP: Triple Science GCSE: Biology, Chemistry and Physics, or Core Additional and Further Additional Science

*SCRIPTING NOTE: Text-fill is 'Single Science' if GCSESci = 1, 'Double Science' if GCSESci = 2, else 'this science course'.*

- 1 Yes, I wanted to study this course
  - 2 No, I would have preferred Triple Science
- 

ASK IF NOT STUDY TRIPLE SCIENCE BUT IT WAS OFFERED BY SCHOOL // IF TripSciSch = 1 or 2

**TripSciWhy** (multi-code)

Why didn't you [want to {IF TripSci = 1}] study Triple Science?

Choose all that apply.

*SCRIPTING NOTE: Randomise answer list*

- 1 Not interested in studying Triple Science
- 2 Prioritised other subjects
- 3 Timetabling / didn't fit with other subjects
- 4 Not needed for my future plans / career

- 5 Didn't achieve the level / grade I needed
  - 6 Thought it would be too difficult / lacked confidence
  - 7 Too much extra work
  - 8 Wasn't in the right set
  - 9 Teacher(s) advised me not to
  - 10 Parent(s) advised me not to
  - 96 Another reason (please tell us why) *Text box*
- 

ASK IF YEAR 12 or 13

**Comp1213** (*single code*)

Did you study Computer Science or Computing at GCSE?

Don't include ICT.

- 1 Yes
  - 2 No
- 

ASK IF DIDN'T STUDY COMPUTER SCIENCE GCSE // IF Comp1213 = 2 OR CurSub <> 5

**CompSciWhy** (*multi-code*)

Just to check, why didn't you study Computer Science or computing?

Choose all that apply.

- 1 School didn't offer the subject
  - 2 Not interested in subject
  - 3 Prioritised other subjects
  - 4 Timetabling / didn't fit with other subjects
  - 5 Not needed for future plans
  - 6 Thought it would be too difficult / lacked confidence
  - 7 Teacher(s) advised me not to
  - 8 Parent(s) advised me not to
  - 96 Another reason (please tell us why) *Text box*
- 

ASK IF YEARS 10 or 11

**FutL3Qu** (*single code*)

Now for some questions about your future study plans.

After Year 11, are you planning to study for further qualifications in **any subject**, for example A levels or an NVQ level 3?

- 1 Yes
- 2 No
- 3 Maybe

---

ASK IF YEAR 11 and FutL3Qu = 1 or 3 // In Year 11 and considering studying for further qualifications  
**P16Sub** (*single code*)

Have you chosen your subjects for Year 12 yet?

- 1 Yes
- 2 No

---

ASK IF CONSIDERING STUDYING FOR FURTHER QUALIFICATIONS AFTER YEAR 11 AND NOT ALREADY  
 CHOSEN SUBJECTS // IF FutL3Qu = 1 or 3 and P16Sub <> 1

**FutL3Sub** (*grid*)

How likely are you to study A levels, NVQ level 3 or a similar qualification in...

- ... Maths?
- ... Biology?
- ... Chemistry?
- ... Physics?
- ... Computer Science?
- ... Another science subject (e.g.  
 Psychology, Engineering, Geology,  
 Applied Science) ?

- 1 Definitely
- 2 Likely
- 3 Unlikely
- 4 Definitely not
- 5 Don't know yet

---

ASK IF YEAR 11 AND CHOSEN SUBJECTS FOR YEAR 12 // IF P16Sub = 1

**Y12SubL3** (*multi-code*)

Are you intending to study any of the following subjects in Year 12?

Choose all that apply.

- 1 Biology
- 2 Chemistry
- 3 Physics
- 4 Applied Science / Environmental Science /  
 Sports Science / Science in Society
- 5 Maths / Further Maths (including Statistics)
- 6 Computer Science

- 7 Electronics / Engineering
  - 8 Geology
  - 9 Psychology
  - 96 Another science subject (please tell us what) *Text box*
  - 97 None of these *(single code)*
- 

ASK IF YEAR 12 or 13 AND AT SCHOOL SIXTH FORM, SIXTH FORM COLLEGE OR FE COLLEGE // IF Year 12 or 13 and YPEconAc = 1, 2, 3 or 4

**L3Qual** *(multi-code)*

Have you been studying towards any of these qualifications in Year 12 or 13?

Choose all that apply.

- 1 AS levels / A levels
  - 2 International Baccalaureate (IB)
  - 3 NVQ level 3 / GNVQ Advanced
  - 4 BTEC National Certificate / ONC / OND
  - 5 City and Guilds Advanced Craft or Part III / RSA Advanced Diploma
  - 97 None of these *(single code)*
- 

ASK IF YEAR 12 OR 13 AND STUDYING AS LEVELS, A LEVELS, IB OR VOCATIONAL LEVEL 3 // IF L3Qual = 1, 2, 3, 4 or 5

**CurSubL3** *(multi-code)*

Have you been studying any of these subjects in Year 12 or 13?

Choose all that apply.

- 1 Biology
  - 2 Chemistry
  - 3 Physics
  - 4 Applied Science / Environmental Science / Sports Science / Science in Society
  - 5 Maths / Further Maths (including Statistics)
  - 6 Computer Science
  - 7 Electronics / Engineering
  - 8 Geology
  - 9 Psychology
  - 96 Another science subject (please tell us what) *Text box*
  - 97 None of these *(single code)*
-

ASK IF IN YEAR 12 OR 13 AND IN SCHOOL SIXTH FORM COLLEGE OR FE COLLEGE; OR IN YEAR 11 AND CHOSEN SUBJECTS FOR YEAR 12 // IF ((YEARS 12 or 13) and YPEconAc = 1, 2, 3 or 4)) or (P16Sub = 1)

**OptSub** (*single code*)

Were you able to choose all the subjects you wanted for Year 12?

- 1 Yes
  - 2 No, there were some subjects I would have preferred to choose
- 

ASK IF UNABLE TO TAKE SOME SUBJECTS // IF OptSub = 2

**SciOptSub** (*multi-code*)

Did you want to take any of these subjects in Year 12?

*SCRIPTING NOTE: Only include codes not mentioned at Y12SubL3 or at CurSubL3*

- 1 Biology
  - 2 Chemistry
  - 3 Physics
  - 4 Applied Science / Environmental Science / Sports Science / Science in Society
  - 5 Maths / Further Maths (including Statistics)
  - 6 Computer Science
  - 7 Electronics / Engineering
  - 8 Geology
  - 9 Psychology
  - 96 Another science subject (please tell us what) *Text box*
  - 97 None of these *(single code)*
- 

ASK ALL

**FutHEQu** (*single code*)

Are you thinking about going on to study for a higher education qualification in **any subject**?

- 1 Yes, a university degree
  - 2 Yes, another HE qualification (e.g. HNC, HND, Higher Education Diploma)
  - 3 No
  - 4 Undecided
- 

ASK IF CONSIDERING STUDYING FOR HE EDUCATION DEGREE // IF FutHeQu = 1, 2 or 4

**FutHESu** (*multi-code*)

Are you thinking about studying for a degree or other higher education qualification in any of these subjects?

This might be in combination with other subjects. Choose all that apply.

- 1 Biology
- 2 Chemistry
- 3 Computer Science / Computing
- 4 Engineering
- 5 Environmental Science
- 6 Maths (including Statistics)
- 7 Medicine / Dentistry
- 8 Other health subjects (e.g. Nursing, Pharmacy, Sports Science)
- 9 Physics
- 10 Psychology
- 11 Veterinary Science
- 96 Another science subject (please tell us which) *Text box*
- 95 A non-science subject
- 99 I don't know / haven't decided which subject *(single code)*

#### 4. LEARNING STYLES

ASK IF SAMPLE B. ASK ONLY HALF OF SAMPLE B (AT RANDOM)

LStyleSci\_A / LStyleMat\_A / LStyleEng\_A (*sliding scale*)

Some people say that how well someone does in exams is mostly down to their **natural ability**, while others say it is mostly down to **how hard they work**.

Thinking about young people in general, tell us what you think for each of the following subjects.

*SCRIPTING NOTE: Three sliding scales labelled 'Natural ability' on left, 'How hard you work' on right, and 'Both equally important' in the middle*

- 1 English
- 2 Maths
- 3 Science

---

ASK IF SAMPLE B AND NOT ASKED PREVIOUS QUESTION (LStyleSci\_A / LStyleMat\_A / LStyleEng\_A)

LStyleSci\_B / LStyleMat\_B / LStyleEng\_B (*sliding scale*)

Some people say that how well someone does in exams is mostly down to **how hard they work**, while others say it is mostly down to their **natural ability**.

Thinking about young people in general, tell us what you think for each of the following subjects.

*SCRIPTING NOTE: Three sliding scales labelled 'How hard you work' on left, 'Natural ability' on right, and 'Both equally important' in the middle*

- 1 English
- 2 Maths
- 3 Science



## 6. SCIENCE AT SCHOOL

ASK IF YEAR 10/11

**SciLes** (*single code*)

Over the last school year, how many hours of science lessons (Biology, Chemistry, Physics) did you have each week on average?

*SCRIPTING NOTE: Answers as drop-down list*

- 1 0.5 hours
- 2 1 hour
- 3 1.5 hours
- 4 2 hours
- 5 2.5 hours
- 6 3 hours
- 7 3.5 hours
- 8 4 hours
- 9 4.5 hours
- 10 5 hours
- 11 5.5 hours
- 12 6 hours
- 13 6.5 hours
- 14 7 hours
- 15 7.5 hours
- 16 8 hours or more

---

ASK IF YEAR 10/11

**PracQuan** (*grid*)

Apart from when you were preparing for exams, about how often did you do the following in science lessons?

- ... Watch a teacher demonstration of a practical
  - ... Watch a video of a practical
  - ... Hands-on practical work
  - ... Analyse data / write up results of practical work
- 
- 1 At least once a week
  - 2 At least once a fortnight
  - 3 At least once a month
  - 4 Once every couple of months
  - 5 Less often
  - 6 Never

---

ASK IF YEAR 10/11

**PracQual** (*multi-choice*)

Have you done any of these kinds of work in science lessons in the last year?

Choose all that apply.

- 1 **Fieldwork**
  - 2 **Designed and carried out an experiment / investigation**
  - 3 **A practical project lasting more than one lesson**
  - 97 **None of these** *(single code)*
- 

ASK IF YEAR 10/11 AND SAMPLE A

**PracRes** *(single code)*

Which of these best applies to you?

SCRIPTING NOTE: 'More' and 'Less' in bold

- 1 **I would have preferred to do more practical work**
  - 2 **I would have preferred to do less practical work**
  - 3 **I was happy with the amount of practical work we did**
- 

ASK IF YEAR 10/11 AND SAMPLE A

**PracWhy** *(single code)*

When doing practical work, how often would you say that you just followed the instructions without understanding the purpose of the work?

- 1 **A lot**
  - 2 **Sometimes**
  - 3 **Occasionally**
  - 4 **Never**
- 

ASK ALL

**STEMPrac** *(multi-code)*

In the last three years, have you taken part in any of the following activities related to Science, Computer science, Engineering or Maths?

Choose all that apply.

- 1 **Science EPQ (Extended Project Qualification)**
- 2 **Science CREST Award**
- 3 **Science / Engineering / Computing /**

- Maths club
  - 4 Big Bang Fair
  - 5 Another science fair / event
  - 6 Taking part in a science challenge / competition
  - 7 A talk at school from a STEM Ambassador
  - 8 A talk at school from someone in a science-related job
  - 97 None of these
- 

ASK IF ANY CODE 1-8 AT STEMPrac // IF STEMPrac = 1, 2, 3, 4, 5, 6, 7 or 8

**STEMInf** (*single code*)

Taking part in these activities has ...

- 1 ...encouraged me to study Science, Computer science, Engineering or Maths
- 2 ...put me off studying these subjects
- 3 ...made no difference whether or not I would study any of these subjects

## 6. SCIENCE AS A CAREER

ASK ALL

**CarAdv** (*multi-code*)

Have you ever received any information or advice from any of these sources about what you may do for a **career** in the future?

Choose all that apply.

- 1 Friends
  - 2 Family
  - 3 Someone working in a related area
  - 4 Careers advisor at school / college
  - 5 Teacher at school / college
  - 6 Searching online
  - 7 Presentations by employers
  - 8 Careers fair / event
  - 96 Another person or organisation (please tell us who) *Text box*
  - 97 None *(single code)*
- 

ASK ALL

**CarSure** (*single code*)

Do you have some idea about what jobs or careers you are interested in?

- 1 Yes, I have a firm idea
  - 2 Yes, I have some idea
  - 3 I have little / no idea
- 

ASK ALL

**CarInt** (*single code*)

Are you interested in a future career that involves Science, Computer science, Engineering or Maths?

- 1 Very interested
  - 2 Fairly interested
  - 3 Not very interested
  - 4 Not at all interested
- 

ASK IF INTERESTED IN SCIENCE CAREER // IF CarInt = 1 or 2

**CarWht** (*open ended*)

What careers involving Science, Computer science, Engineering or Maths might you be interested in?

---

ASK IF INTERESTED IN SCIENCE CAREER // IF CarInt = 1 or 2

**CarWhy** (multi-choice)

Why are you interested in a career involving Science, Computer science, Engineering or Maths?

Choose all that apply.

*SCRIPTING NOTE: Randomise order of response options*

- 1 I enjoy the subject(s)/ would enjoy the career
  - 2 I'm good at the subject(s)
  - 3 Wide range of career options
  - 4 I can see how the subject(s) relate to the real world
  - 5 A teacher advised me
  - 6 My parents advised me
  - 7 I want to help others
  - 8 These careers are well paid
  - 9 I know someone working in a related job
  - 10 I'm interested because of illness / health condition of someone I know
  - 97 Another reason (please tell us what) *Text box*
- 

ASK IF NOT INTERESTED IN SCIENCE CAREER // IF CarInt = 3 or 4

**CarWhyNo** (multi-choice)

Why are you not interested in careers involving Science, Computer science, Engineering or Maths?

Choose all that apply.

*SCRIPTING NOTE: Randomise order of response options*

- 1 Don't enjoy the subject(s) / would not enjoy these careers
  - 2 Prefer other subjects
  - 3 Not good at these subjects
  - 4 A teacher advised me not to
  - 5 My parents advised me not to
  - 6 These careers are not well paid
  - 7 Narrow range of career options
  - 8 I have other career plans
  - 97 Another reason (please tell us what) *Text box*
- 

ASK ALL

**SciCar** (grid)

How much do you agree or disagree with the following statements?

Careers that use science...

- ... Are suitable for someone like me.
- ... Are difficult to get into.
- ... Require high grades.
- ... Are boring.
- ... Are more suited to men than women.
- ... Are open to anyone who has the ability regardless of their background.
- ... Make a useful contribution to society.

- 1 Strongly agree**
  - 2 Agree**
  - 3 Neither agree nor disagree**
  - 4 Disagree**
  - 5 Strongly disagree**
- 

ASK ALL

**WorkExp** (*multi-code*)

Have you ever done any work experience?

Choose any that apply.

- 1 Yes, with an employer involved in Science, Computer Science, Engineering or Maths**
  - 2 Yes, in another area**
  - 3 No** *(single code)*
- 

ASK IF DONE WORK EXPERIENCE IN SCIENCE // IF WorkExp = 1

**WorkExpArr** (*multi-code*)

Thinking about your most recent work experience with an employer involved in Science, Computer science, Engineering or Maths, how was this arranged?

Choose all that apply.

- 1 I arranged it myself**
  - 2 I arranged it through my family / friends**
  - 3 It was arranged through my school**
  - 96 Other (please tell us how)**
-

ASK ALL

**WorkExpWant** (*single code*)

Have you ever **wanted** to do work experience in Science, Computer science, Engineering or Maths, but not been able to do so?

- 1 Yes
- 2 No

---

ASK IF UNABLE TO DO WORK EXPERIENCE IN SCIENCE // IF WorkExpWant = 1

**WorkExpWhy** (*multi-code*)

Why were you unable to do this work experience?

Choose all that apply.

*SCRIPTING NOTE: Randomise order of response options*

- 1 Couldn't find relevant opportunities
- 2 Didn't know how to find opportunities
- 3 Didn't have the right contacts
- 4 Was too young
- 5 Applied through my school / college but was unsuccessful
- 6 Applied directly to an employer, but was unsuccessful
- 7 School didn't offer work experience
- 8 Didn't apply because places were limited
- 96 Another reason (please tell us what) *Text box*

## 7. SCIENCE CAPITAL

ASK ALL

### SciCapIntro

Next we are going to ask some questions on what you think about medical science and other scientific issues.

---

ASK ALL

### TalkSci (single code)

How much do you talk about **health, medicine or other scientific issues** with people outside of school?

This could be online, face-to-face or on the phone. It could be with your friends or family.

- 1 Often
  - 2 Sometimes
  - 3 Occasionally
  - 4 Never
- 

ASK ALL

### SocNSci (single code)

Apart from your doctor, do you know anyone with a **medical or science-related** job that you could talk to about health, medicine or other scientific issues outside of school?

- 1 No
  - 2 Yes, one or two people
  - 3 Yes, three or four people
  - 4 Yes, at least five people
- 

ASK IF LIVING WITH PARENTS, PARENT'S PARTNER OR FOSTER PARENT(S) // IF HHComp = 1, 2, 3, 4, 5 or 6

### IntYPPar (single code)

Would you say your parents are interested in science?

- 1 Yes, mother interested
  - 2 Yes, father interested
  - 3 Yes, both parents interested
  - 4 No, neither parent interested
- 

ASK IF SAMPLE A

### SciUse (grid)

Understanding science is important for...

- ... Me in my future career
- ... Me in my everyday life
- ... Society in general



- 1 Strongly agree
  - 2 Agree
  - 3 Neither agree nor disagree
  - 4 Disagree
  - 5 Strongly disagree
- 

ASK IF SAMPLE B

**SciHear** (*single code*)

How interested are you in finding out more from scientists about the research they are conducting?

- 1 Very interested
- 2 Fairly interested
- 3 Not very interested
- 4 Not at all interested

## 8. DEMOGRAPHICS

ASK ALL

### **DemIntro**

You only have a few minutes of the survey left.

Next, we need a bit more information about you. This will help us to see how experiences and opinions vary between different groups of young people.

---

ASK ALL

### **Sex** (*single code*)

Are you male or female?

- 1 Male
  - 2 Female
- 

ASK ALL

### **Rel** (*single code*)

What is your religion?

- 1 No religion
  - 2 Christian (including Church of England, Catholic, Protestant and all other Christian denominations)
  - 3 Buddhist
  - 4 Hindu
  - 5 Jewish
  - 6 Muslim
  - 7 Sikh
  - 96 Any other religion (please tell us which religion) *Text box*
- 

ASK IF ANY RELIGION GIVEN // IF Rel = 2, 3, 4, 5, 6, 7, 96

### **ChAttend** (*single code*)

Apart from such special occasions as weddings, funerals and baptisms, about how often nowadays do you attend services or meetings connected with your religion?

- 1 Once a week or more
  - 2 About once a fortnight
  - 3 About once a month
  - 4 About twice a year
  - 5 About once a year
  - 6 Less often or never
  - 7 Varies too much to say
-

ASK ALL

**LifeEarth** (single code)

People also have different views about the origin of life on earth. Which of the following comes closest to your view about the origin and development of life on earth?

- 1 Humans and other living things were created by God and have always existed in their current form
  - 2 Humans and other living things evolved over time, in a process guided by God
  - 3 Humans and other living things evolved over time as a result of natural selection, in which no god played a part
- 

ASK ALL

**Ethnic** (single code)

What is your ethnic group?

Choose one option that best describes your ethnic group or background.

**White**

- 1 English / Welsh / Scottish / Northern Irish / British
- 2 Irish
- 3 Gypsy or Irish Traveller
- 4 Any other White background *Text box*

**Mixed / multiple ethnic groups**

- 5 White and Black Caribbean
- 6 White and Black African
- 7 White and Asian
- 8 Any other mixed / multiple ethnic background *Text box*

**Asian / Asian British**

- 9 Indian
- 10 Pakistani
- 11 Bangladeshi
- 12 Chinese
- 13 Any other Asian background *Text box*

**Black / African / Caribbean / Black British**

- 14 African
- 15 Caribbean
- 16 Any other Black / African / Caribbean background *Text box*

**Other ethnic group**

- 17 Arab
  - 96 Any other ethnic group *Text box*
-

ASK ALL

**Disab** (*multi-code*)

Have you yourself, or has someone close to you, ever had a serious illness, medical condition or disability?

Please include any conditions which have lasted or are likely to last at least 12 months and which, without treatment, would limit one's ability to carry out normal day-to day activities.

Please choose all that apply.

- 1 Yes, myself
  - 2 Yes, close family member
  - 3 Yes, close friend
  - 4 No, no one
- 

ASK ALL

**GenFam** (*single code*)

Has a doctor ever advised you, or any member of your immediate family, of a serious genetic condition in your family?

- 1 Yes
  - 2 No
- 

ASK IF LIVING WITH MOTHER / FOSTER MOTHER / FATHER'S PARTNER // IF HHComp = 1, 4 or 5

**UniMum** (*single code*)

Did your [mother / father's partner / foster mother] go to university?

*SCRIPTING NOTE: If HHComp = 1 use 'mother', else if HHComp = 4 use 'father's partner', else if HHComp = 5 use 'foster mother'*

- 1 Yes
  - 2 No
- 

ASK IF LIVING WITH FATHER / FOSTER FATHER / MOTHER'S PARTNER // IF HHComp = 2, 3 or 6

**UniDad** (*single code*)

Did your [father / mother's partner / foster father] go to university?

*SCRIPTING NOTE: If HHComp = 2 use 'father', else if HHComp = 3 use 'mother's partner', else if HHComp = 6 use 'foster father'*

- 1 Yes
  - 2 No
-

ASK ALL

**SciPar** (multi-code)

Does anyone in your family work as a scientist or in a job using science or medicine?

Choose all that apply.

- 1 **Mother**
  - 2 **Father**
  - 3 **Sibling(s)**
  - 4 **Other family member (living with you)**
  - 96 **Other family member (not living with you)**
  - 97 **No, no-one**
  - 99 **Don't know**
- 

ASK ALL

**NPDConsent** (*single code*)

The Department for Education holds information about your education. This includes the schools you've been to, the subjects and exams you've done, if you have a special educational need and if you have been eligible for free school meals.

Can we have your permission to link this information to your survey answers?

Your information will remain confidential.

HELP: The Department for Education holds information about your education. This includes the schools you've been to, the subjects and exams you've done, if you have a special educational need and if have been eligible for free school meals.

We would like to add this information to your answers from this survey to create a more accurate picture of your life and experiences. This information will only be used for research purposes.

Your information is confidential and this means that your name and address will never be included in the results. Your education record will be placed on a secure website, without your name and address, so that researchers can only use it for research purposes.

To add this information we need your permission to create a link between your education information and the survey answers you've just provided.

- 1 **Yes**
  - 2 **No**
- 

ASK IF REFUSED NPD LINK // IF NPDConsent = 2

**Age** (*single code*)

How old are you?

- 1 **13 or younger**
- 2 **14**

- 3 15
- 4 16
- 5 17
- 6 18
- 7 19 or older

---

ASK IF REFUSED NPD LINK // IF NPDCentent = 2

**PstQual** (*multi-code*)

Have you passed any of these qualifications?

Please choose all that apply. Do not include qualifications if you are still waiting for the results.

- 1 GCSEs / IGCSEs
- 2 As levels
- 3 A levels (final year) / A2s
- 4 International Baccalaureate (IB)
- 5 NVQ level 1 / GNVQ Foundation /  
BTEC First Certificate / RSA stage I-III  
/ City and Guilds Part 1 / Junior  
Certificate
- 6 NVQ level 2 / GNVQ Intermediate /  
BTEC First Diploma / RSA Diploma /  
City and Guilds Craft or Part II
- 7 NVQ level 3 / GNVQ Advanced /  
BTEC National Certificate / ONC /  
OND / City and Guilds Advanced  
Craft or Part III / RSA Advanced  
Diploma
- 97 None of these (*single code*)

---

ASK IF PASSED A LEVELS/A2 AND REFUSED NPD CONSENT // IF PstQual = 3

**PstLev3A** (*multi code*)

Have you passed A levels or A2s in any of these subjects?

- 1 Biology
- 2 Chemistry
- 3 Physics
- 4 Applied Science / Environmental  
Science / Sports Science / Science in  
Society
- 5 Maths / Further Maths (including  
Statistics)
- 6 Computer Science
- 7 Electronics / Engineering
- 8 Geology
- 9 Psychology
- 96 Another science subject (please tell Text box

us what)  
**97 None of these** (single code)

---

ASK IF PASSED AS LEVELS AND REFUSED NPD CONSENT // IF PstQual = 2

**PstLev3As** (multi-code)

Have you passed AS levels in any of these subjects?

- 1 Biology**
- 2 Chemistry**
- 3 Physics**
- 4 Applied Science / Environmental Science / Sports Science / Science in Society**
- 5 Maths / Further Maths (including Statistics)**
- 6 Computer Science**
- 7 Electronics / Engineering**
- 8 Geology**
- 9 Psychology**
- 96 Another science subject (please tell us what)** Text box
- 97 None of these** (single code)

---

ASK IF PASSED LEVEL 3 VOCATIONAL QUALIFICATION AND REFUSED NPD CONSENT // IF PstQual = 7

**PstLev3Voc** (multi-code)

Have you passed any level 3 vocational qualification (e.g. NVQ) in any of these subjects?

HELP: Level 3 vocational qualifications include:

- NVQ Level 3
- GNVQ Advanced
- BTEC National Certificate
- ONC / OND
- City and Guilds Advanced Craft or Part III
- RSA Advanced Diploma

- 1 Biology**
- 2 Chemistry**
- 3 Physics**
- 4 Applied Science / Environmental Science / Sports Science / Science in Society**
- 5 Maths / Further Maths (including Statistics)**
- 6 Computer Science**
- 7 Electronics / Engineering**
- 8 Geology**

- 9 Psychology
  - 96 Another science subject (please tell us what) *Text box*
  - 97 None of these *(single code)*
- 

ASK IF PASSED GCSEs AND REFUSED NPD LINK // IF PstQual = 1

**PstGCSE** (*multi-code*)

Have you passed GCSEs at grades A\*-C in any of these subjects?

- 1 Maths
  - 2 Biology
  - 3 Chemistry
  - 4 Physics
  - 5 Applied Science / Environmental Science / Sports Science / Science in Society
  - 6 Computer Science / Computing
  - 7 ICT
  - 8 Electronics / Engineering
  - 9 Design and Technology
  - 10 Geology
  - 11 Psychology
  - 96 Another science subject (please tell us what)
  - 97 None of these
- 

ASK IF REFUSED NPD LINK // IF NPDCentent = 2

**ConfPC** (*open ended*)

What is your postcode?

*SCRIPTING NOTE: There should also be an answer option for 'Prefer not to say'*



## 8. BIOMEDICAL

ASK IF SAMPLE B

### **BioIntro**

You're nearly at the end where you can choose your e-voucher.

Next are a few questions about medical science and medical research. That is, research that aims to discover how the body works, understand the causes of diseases, or test and develop new treatments.

---

ASK IF SAMPLE B

### **BioInt** (*single code*)

In general, how interested are you in medical science and medical research?

HELP: Medical research aims to discover how the body works, understand the causes of disease, or test and develop new treatments.

- 1 Very interested
- 2 Fairly interested
- 3 Not very interested
- 4 Not at all interested

---

ASK IF SAMPLE B

### **BioIntSp** (*multi-code*)

Are you interested in any of these areas of medical research?

Choose all that apply.

- 1 How the brain works
- 2 How the body works
- 3 How genes work
- 4 Obesity
- 5 Mental health issues
- 6 Development of new drugs, vaccines and treatments
- 7 Diseases which affect the developing world
- 8 Ethics of medical research
- 9 How medical research is conducted
- 96 I'm interested in another area of medical research (please tell us what) *Text box*
- 97 None *(single code)*

ASK IF SAMPLE B

**BioRes** (multi-code)

In the past year, have you tried to find out any information about any of the following?

Choose all that apply.

- 1 Medical advice (e.g. cures, symptoms, prevention)
  - 2 Information on medical research projects, trials or experiments
  - 3 Information about medical careers
  - 96 Something else to do with medical science (please tell us what) *Text box*
  - 97 None *(single code)*
- 

ASK IF SAMPLE B AND LOOKED FOR MEDICAL SCIENCE INFORMATION // IF BioRes = 1, 2, 3 or 96

**BioResHow** (multi-code)

How did you look for this information?

Choose all that apply.

- 1 Searching online
  - 2 Talking to a doctor
  - 3 Talking to a teacher
  - 4 Talking to other people
  - 5 Reading book(s)
  - 6 Attending a lecture or talk
  - 96 Something else (please tell us what) *Text box*
- 

ASK IF SAMPLE B

**BioConsMed** (single code)

Imagine a doctor asks your permission to use your **medical records** in a medical research study.

Would you give permission?

- 1 Yes, definitely
  - 2 Yes, probably
  - 3 Probably not
  - 4 Definitely not
-

ASK IF SAMPLE B

**BioConsDNA** (single code)

Now imagine a doctor asks your permission to use **information from your genes / DNA** in a medical research study.

Would you give permission?

- 1 Yes, definitely
  - 2 Yes, probably
  - 3 Probably not
  - 4 Definitely not
- 

ASK IF SAMPLE B

**BioCon** (single code)

Would you have any concerns about information from your genes / DNA being used in a medical research study?

- 1 Yes
  - 2 No
- 

ASK IF SAMPLE B AND HAS CONCERNS ABOUT MEDICAL RESEARCH STUDY OR DON'T KNOW// IF BioCon = 1 OR DK

**BioConWhy** (multi-code)

What concerns would you have?

*SCRIPTING NOTE: Randomise answer list*

- 1 Confidentiality / privacy
- 2 What the research is used for
- 3 How the genetic information would be collected
- 4 Not knowing enough about the research
- 5 Not understanding the research
- 6 Not trusting organisations this conduct this kind of research
- 96 Another concern (please tell us what) *Text box*
- 97 No concerns

## 9. MACHINE LEARNING

ASK IF SAMPLE A

MLIntro

You're nearly at the end where you can choose your e-voucher.

Next are a few questions about technology.

---

ASK IF SAMPLE A

**MLAware** (*multi-code*)

Machine Learning is when machines or computers are able to adapt, learn and make recommendations or decisions on their own without a human giving them ongoing instructions.

Have you seen or heard anything about...

*SCRIPTING NOTE: Respondents asked four out of eight statements (chosen at random)*

- ... Computers that can recognise speech and answer questions
- ... Driverless vehicles which can adapt to road and traffic conditions
- ... Facial recognition computers which can learn identities through CCTV to catch criminals
- ... Computer programmes which show you websites or advertisements based on your web browsing habits
- ... Computers which analyse medical records to help diagnose patients
- ... Robots which can make their own decisions and can be used by the armed forces
- ... Robots that can adapt to the home environment for example helping to care for older people
- ... Computers which can make investments in the stock market by adapting to the financial market

- 1 Seen / heard a lot about this**
  - 2 Seen / heard a little about this**
  - 3 Not seen / heard anything about this**
- 

ASK IF SAMPLE A

**MLAtt** (*grid*)

Would you trust a machine or computer to...

- ... Recommend a movie you would enjoy watching?

- ... Control a car in which you were travelling?
- ... Provide care for an elderly relative in their home?

**1 Yes**

**2 No**

## 10. SCIENTIFIC LITERACY

ASK ALL

### QuizIntro

And finally, a quick quiz about science. For each of the following statements, please say whether you think it is true or false..

This is NOT a test. You can find out the answers at the end of the survey.

ASK ALL

### Quiz (grid)

- ... Electrons are smaller than atoms.
- ... All radioactivity is man-made.
- ... All plants and animals have DNA.
- ... More than half of human genes are identical to those of mice.
- ... The cloning of living things produces genetically identical copies.
- ... Lasers work by focusing sound waves.
- ... By eating a genetically modified fruit, a person's genes could also become modified.
- ... The oxygen we breathe comes from plants.
- ... It is the mother's genes that determine the sex of the child.
- ... One kilogram of lead has the same mass on Earth as it does on the moon.

- 1 Definitely true**
- 2 Probably true**
- 3 Probably false**
- 4 Definitely false**
- 8 Don't know**

## 11. RE-CONTACT DETAILS

ASK ALL

**Contact** (*single code*)

Thank you for your help. You can claim your e-voucher in a few moments.

The Wellcome Trust may want to do follow up interviews with some people who have taken part in this study. In case they wanted to contact you, would it be alright for us to pass on your details to them – that is, your name, address, email address, telephone number and some of the answers you have given today?

- 1 Yes
- 2 No

---

ASK IF AGED 16 OR ABOVE AND AGREED FOR DETAILS TO BE PASSED ON TO WELLCOME TRUST // IF AGE > 15 AND Contact = 1

**RespTel** (*open ended*)

What is your phone number?

---

ASK IF AGREED FOR DETAILS TO BE PASSED ON TO WELLCOME TRUST // IF Contact = 1

**HHTel** (*open ended*)

What is your household telephone number?

*SCRIPTING NOTE: There should also be answer options for:*

- Don't want to answer
- Don't have household telephone number

---

ASK IF AGE < 16

**ParName** (*open ended*)

We sent your parent(s) a letter giving them information about this survey. We asked them to pass the letter on to you so that you could log in to the survey.

For our records, please tell us the name of the person who gave you this letter or told you about the survey.

---

ASK ALL

**Findings** (*single code*)

Would you like us to send you the findings of this survey when they are published next year?

- 1 Yes
- 2 No, thanks

ASK ALL

**EOI**

Thank you, you have been a great help. This is the end of the survey.

Please click on this link to claim your e-voucher:

[pathways.perksplus.com](https://pathways.perksplus.com)

You will need your login details:

Reference number [ID]

Token: [password]