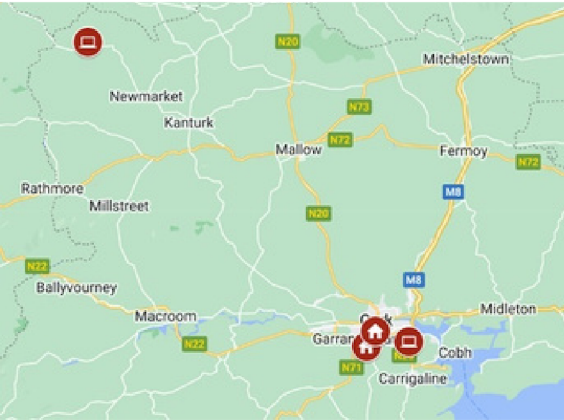


Fantastic DNA in a Box Roadshow 2022

Schools visited by the MTU Cork team

School visit locations



 online  in school

 **95**
Children
feedback forms

 **5**
Teacher
feedback forms

 **250**
Children

 **4**
Schools

 **10**
Boxes

 **5**
online visits

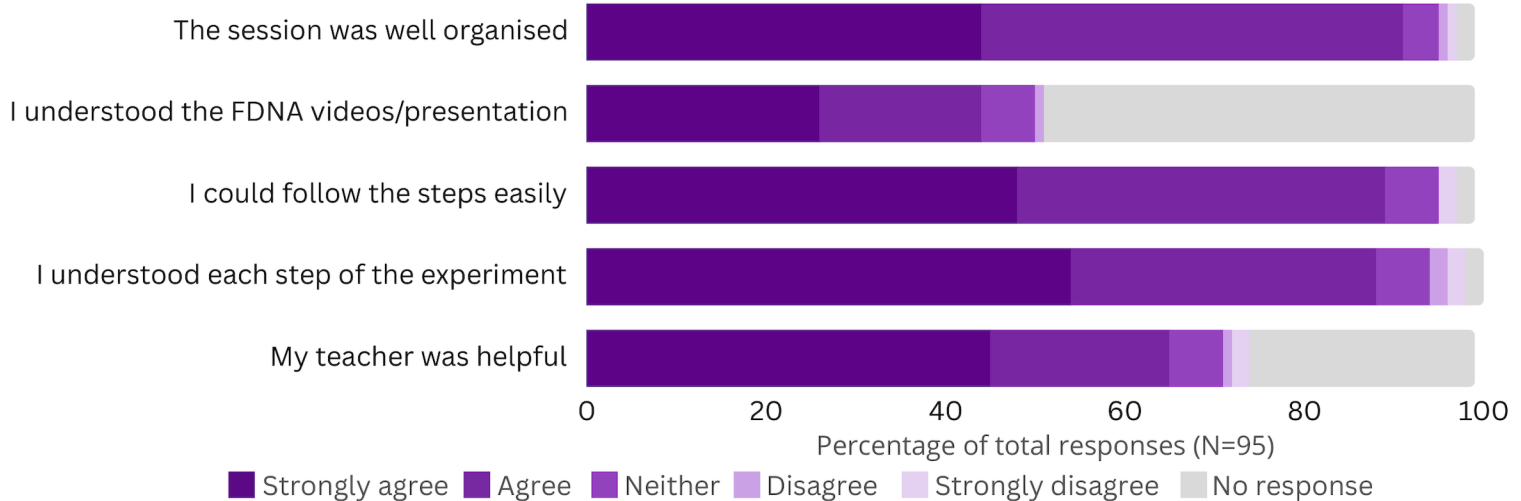
 **5**
in person
sessions

 **11**
Volunteer
Explainers



Gender break down
of children feedback
58% boys
40% girls
2% no response

Children understood the experiment and could follow the steps easily




What did you like best and why?

Top 3 Answers

 I did the experiment myself

 I used real laboratory equipment

 It gave me an idea about the kind of job I could do if I study science

0 5 10 15 20 25
Percentage of total responses
(58 responses from 95 participants)

Why did you like that best?

You could understand it better when you did it yourself.

Girl, age 10

I felt like a proper scientist and doing a proper experiment with proper liquids

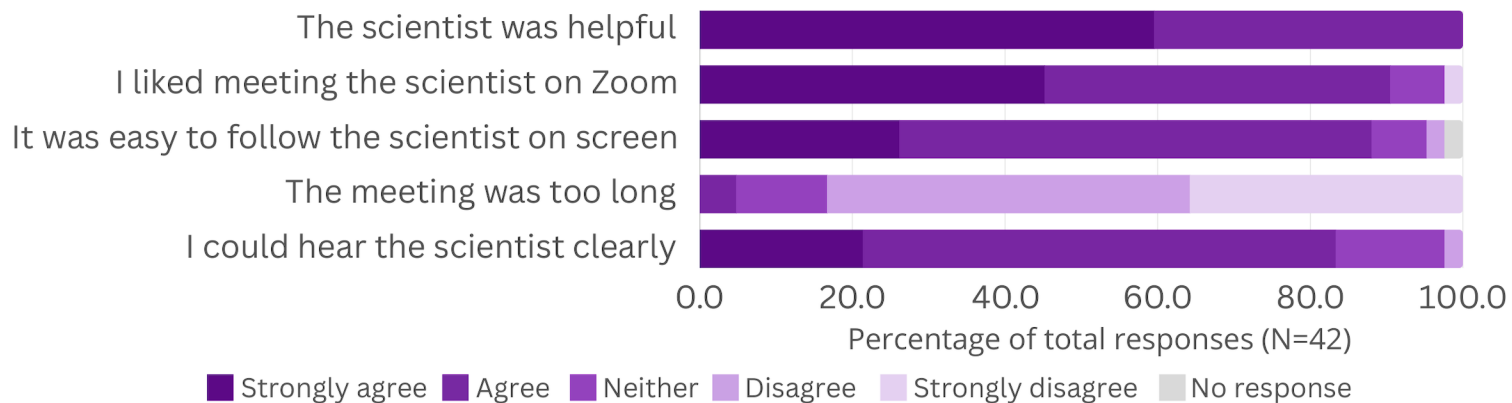
Girl, age 12

It was really fun and cool to take the DNA from a banana

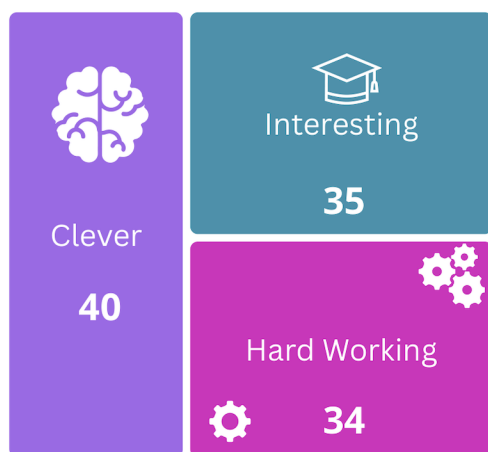
Boy, age 11



Young people enjoyed meeting the scientists

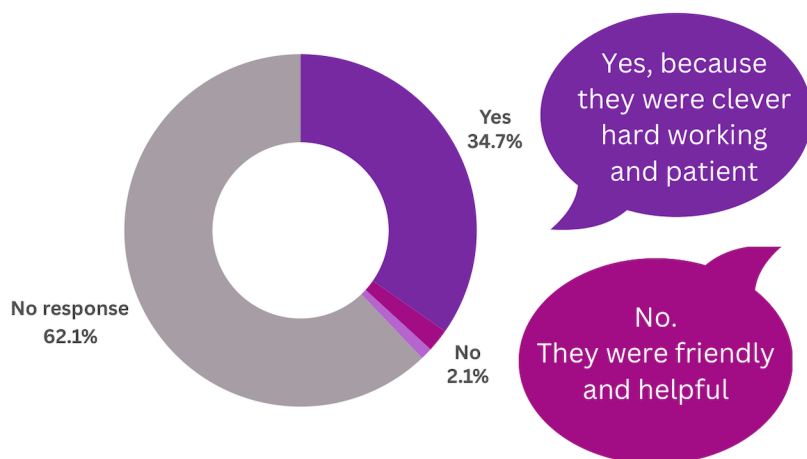


Top 3 words used to describe a scientist BEFORE



(Total words used N=284)

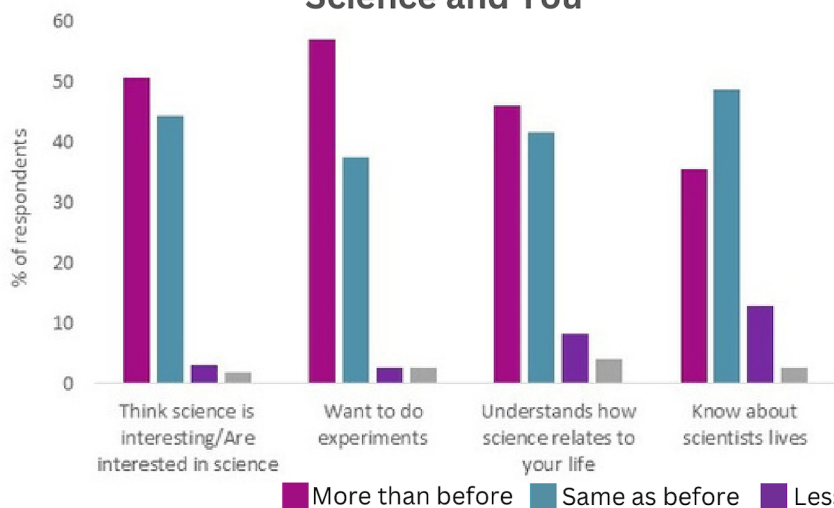
Were the Cell EXPLORERS scientists like the words you chose?



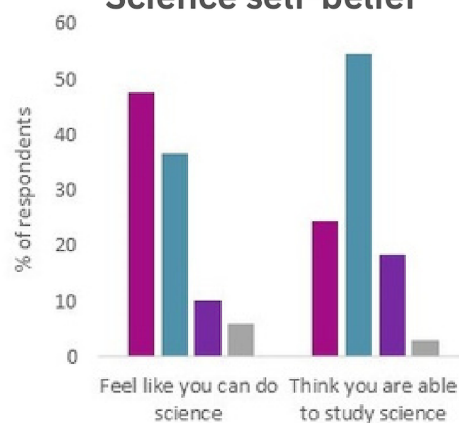
Fantastic DNA in a Box positively contributes towards pupils' science capital



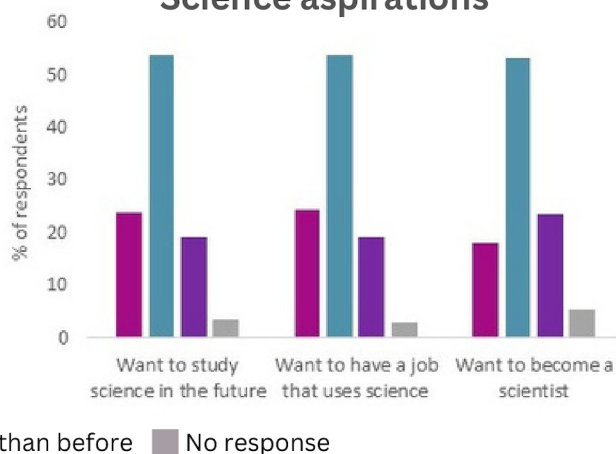
Science and You



Science self-belief



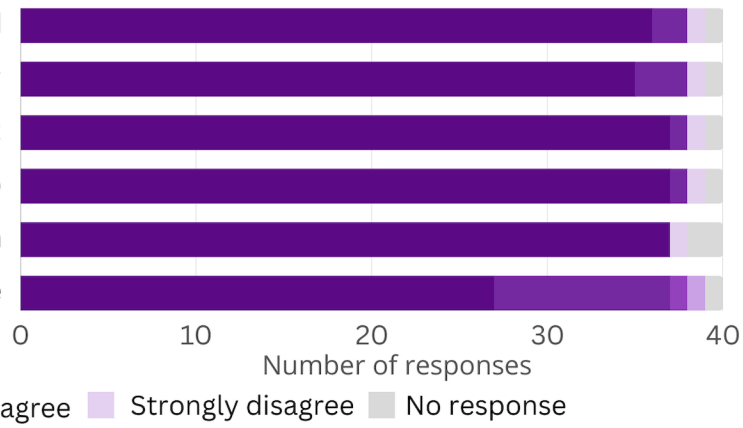
Science aspirations



This section presents findings from childrens' feedback from all national network visits in 2022 combined (N=911)

Teachers agree with the session content & like the experimental set up

The session was well organized and presented
 The training materials enabled me to run the session effectively
 The balance between presentations and activities is right
 The session content is well adapted to the class age group
 I would request Fantastic DNA in a Box again
 I would feel confident to run the session alone



Ranking of the Top aspects of the session (N= 39)

1st

The opportunity for each child to do an experiment (15/39)

2nd

Seeing a real scientist (in person or on Zoom) (7/39)

3rd

The introduction to new science equipment and terms (6/39)
The positive experience of completing an experiment (6/39)

Teachers' comments on perceived impact reflect authenticity of the sessions

"We really loved the live session. The children were really engaged throughout. It was very beneficial to see the scientist complete the steps before the children do it. The Q&A session was lovely also as it broke barriers around the complexity of science"

6th class teacher St Matthew's N.S., Co. Galway

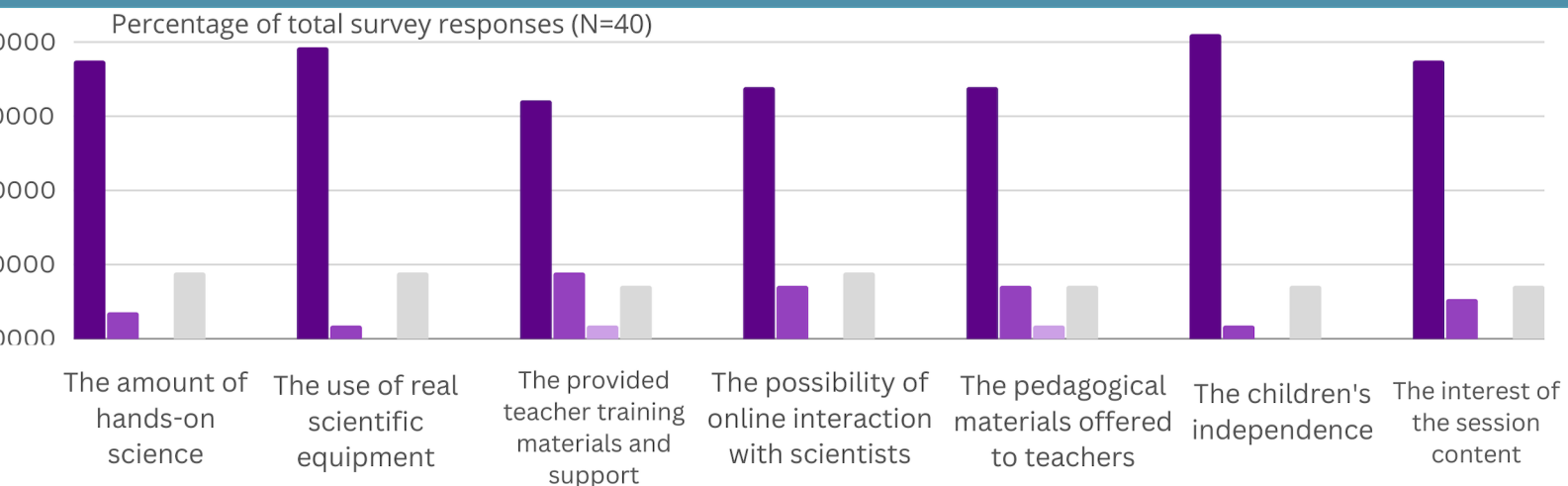
"I thought it was great that a past pupil of our school carried out the experiment. This alone was important to show the children that they too can have a future in science"

5th class teacher, Scoil Colmcille, Co. Donegal

"It was excellent, engaging, step by step, easy to follow, students were at ease, interactive"

2nd-3rd secondary school class teacher, Coláiste Cholmcille, Co Galway

Cell EXPLORERS performs better than other science visitors

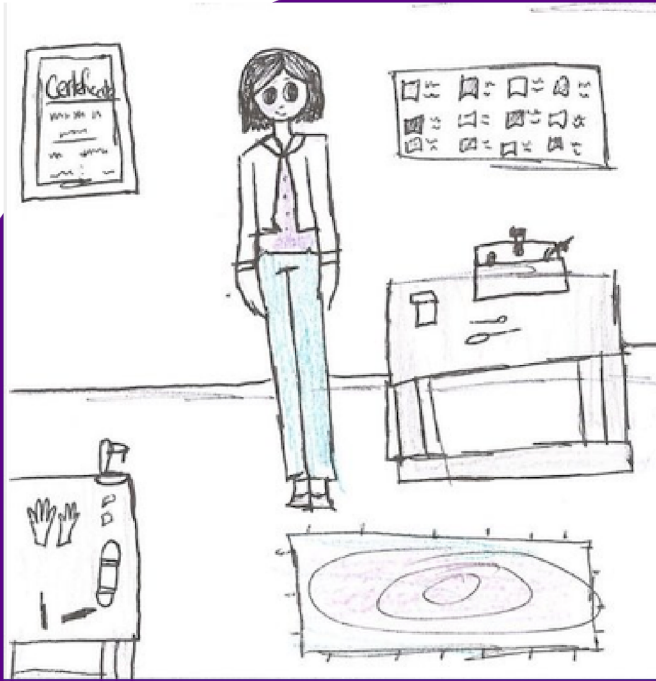


Teachers' Comments

"Absolutely fantastic box and perfectly resourced. Children really enjoyed using the equipment and working as scientist"

"Having all of the resources and items supplied for the day was fantastic. I'd imagine these type of online experiments would be just as enjoyable across a broad range of scientific areas. We would definitely use again."

Children's drawings of scientists



Untitled

12 years old girl, 6th class,
Rockchapel N.S.

Untitled
9 years old girl, 3rd class,
Rockchapel N.S.



Scientist

12 years old girl, 6th class,
Scoil Maria Assumpta



Scientist

12 years old girl, 6th class,
Scoil Maria Assumpta