

# Fantastic DNA in a Box Roadshow 2022

## Schools visited by the MTU Kerry team



**44**  
Children



**2**  
Schools



**2**  
Boxes



**1**  
Teacher led  
session



**1**  
online  
visit



**13**  
Volunteer  
Explainers



Gender break down  
of children feedback  
  
94% girls  
6% no response

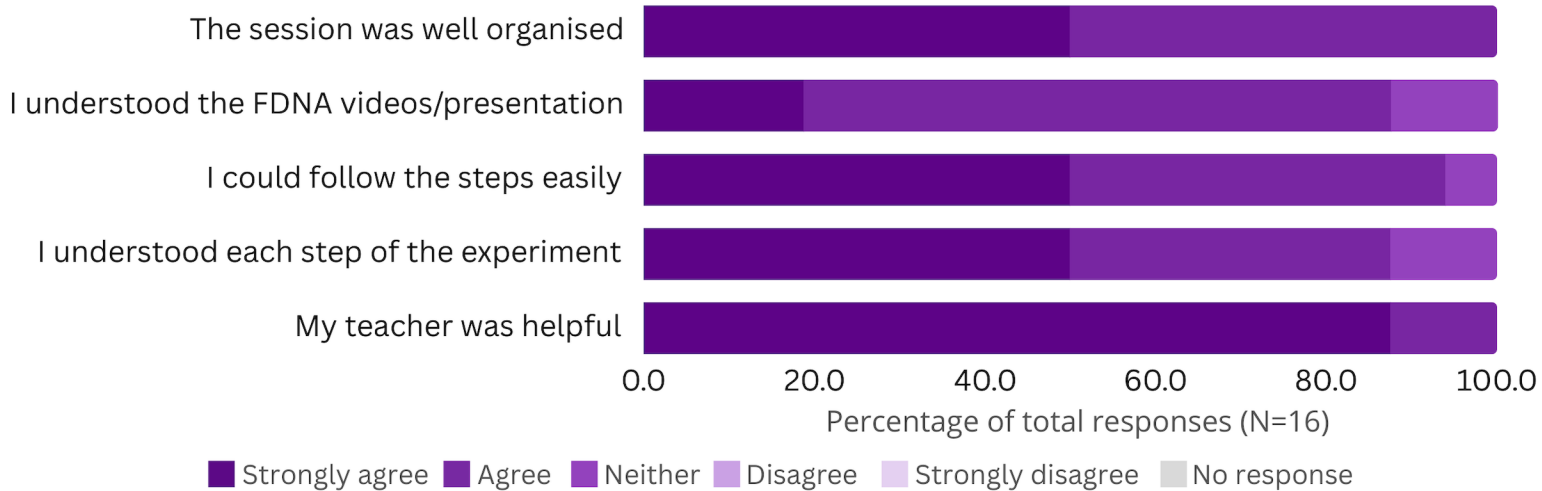


**16**  
Children  
feedback forms



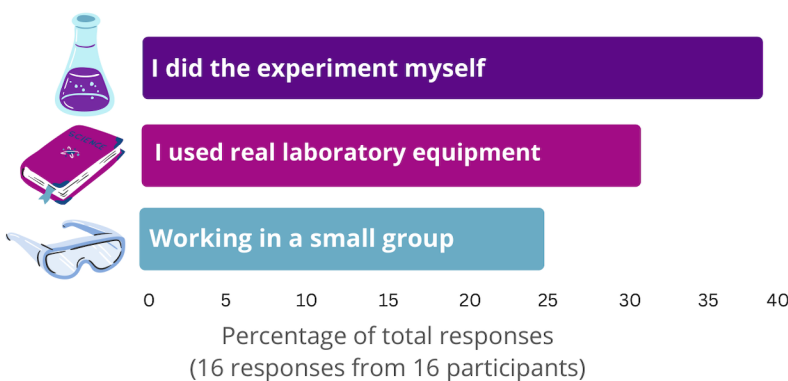
**14**  
Teacher  
feedback forms

## Children understood the experiment and could follow the steps easily

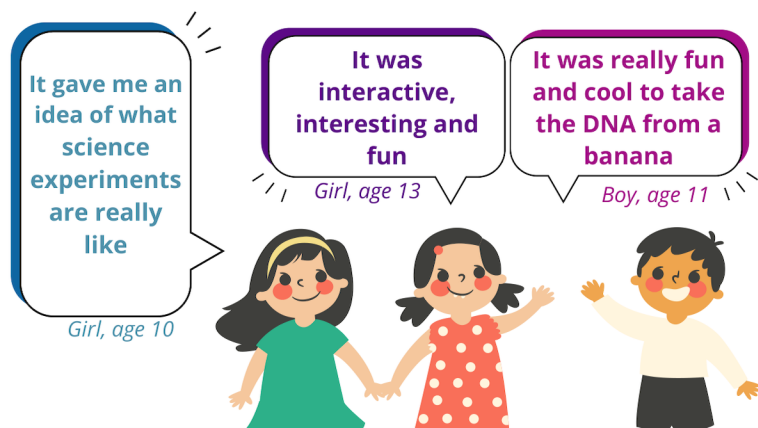


## What did you like best and why?

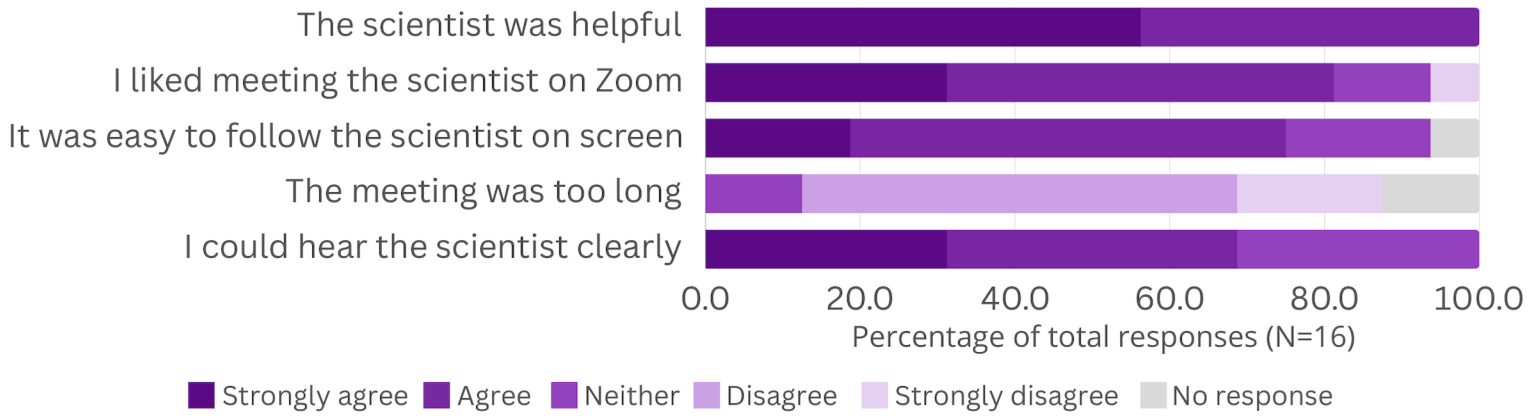
### Top 3 Answers



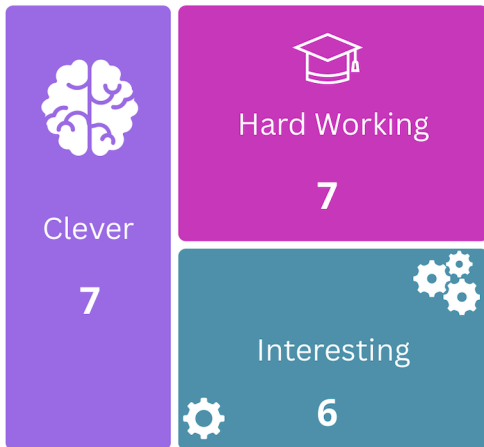
### Why did you like that best?



# Young people enjoyed meeting the scientists

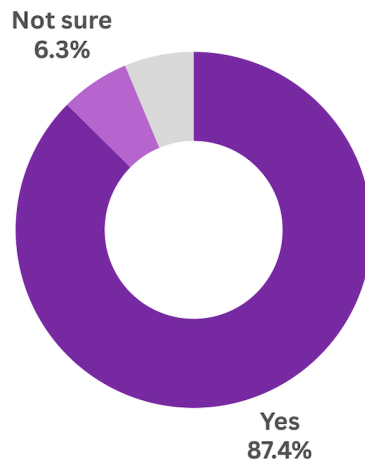


## Top 3 words used to describe a scientist BEFORE



(Total words used N=49)

## Were the Cell EXPLORERS scientists like the words you chose?

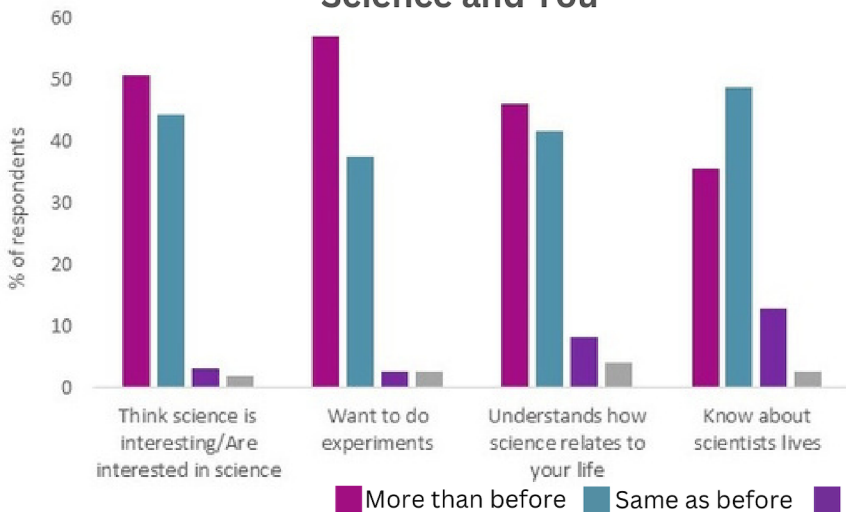


“Yes because when I was doing the ZOOM I found it very interesting and inspiring and I felt scientists are very hard-working on what they do”

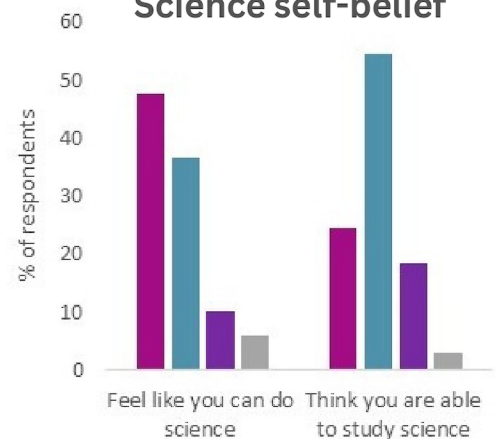
# Fantastic DNA in a Box positively contributes towards pupils' science capital



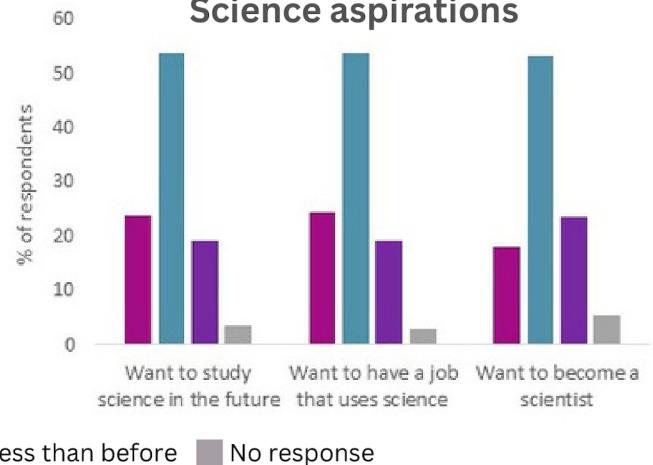
## Science and You



## Science self-belief



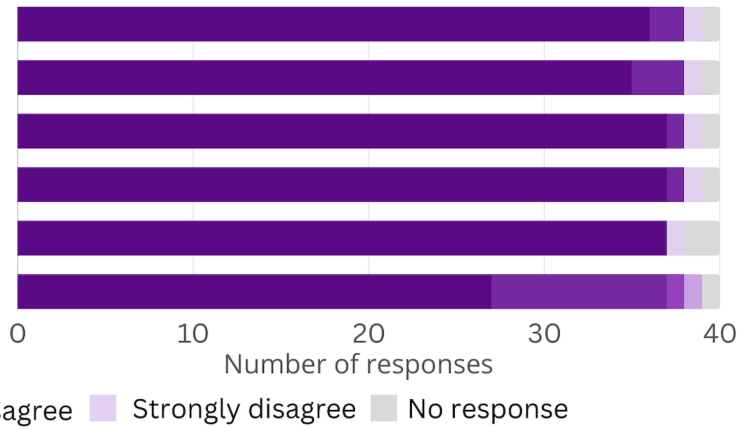
## Science aspirations




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)



**1<sup>st</sup>**  
**The opportunity for each child to do an experiment (15/39)**




**2<sup>nd</sup>**  
**Seeing a real scientist (in person or on Zoom) (7/39)**




**3<sup>rd</sup>**  
**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



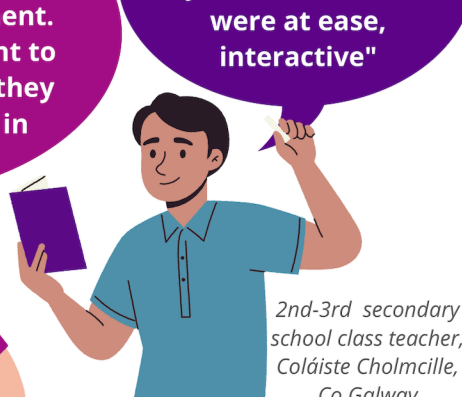
**"We really loved the live session. The children were really engaged throughout. It was very beneficial to see the scientist complete the steps before the children do it. The Q&A session was lovely also as it broke barriers around the complexity of science"**

*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"**

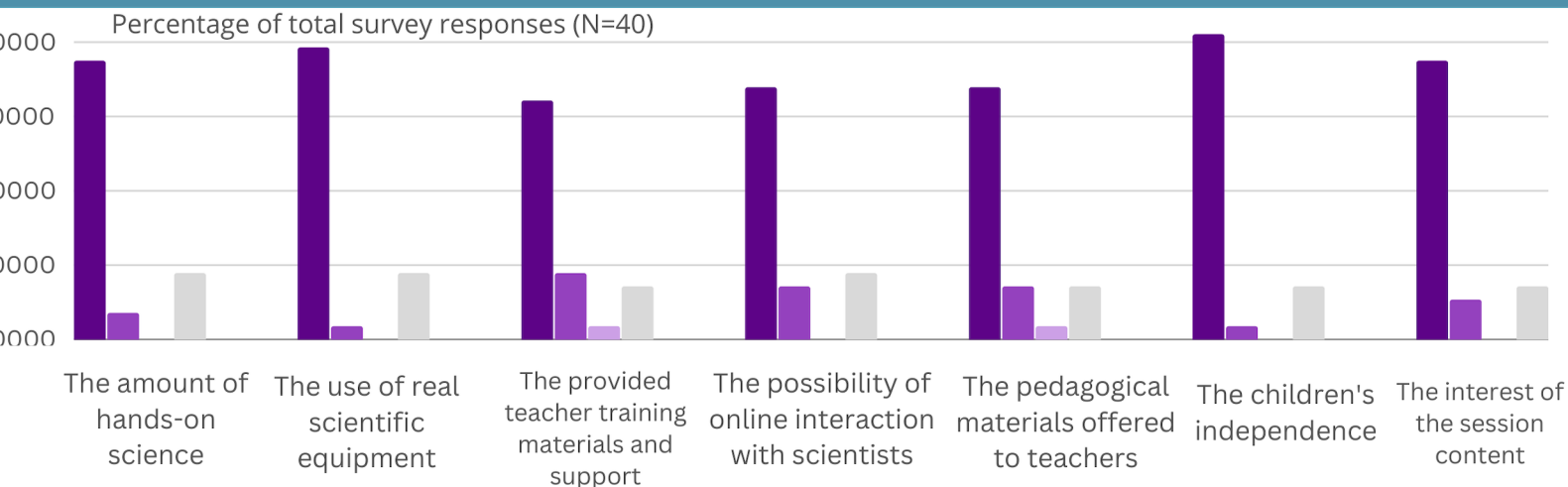
*5th class teacher, Scoil Colmcille, Co. Donegal*



**"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



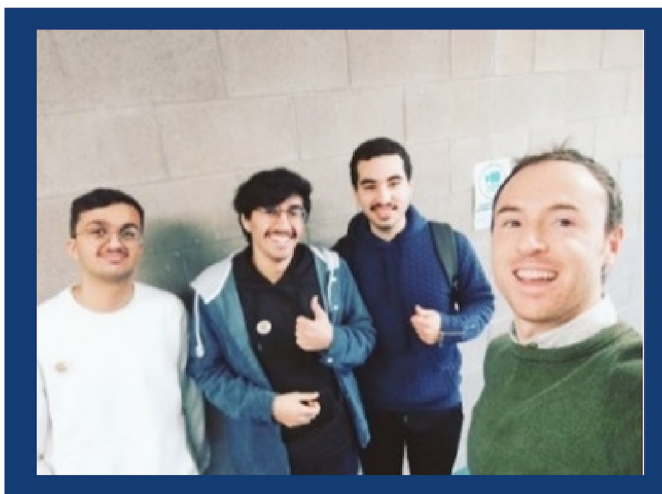
**Untitled**

13 years old girl, 1st class, Listowel Presentation Secondary



**Untitled**

13 years old girl, 1st class, Listowel Presentation Secondary



**MTU Kerry team at Kerry Science festival 2022**

