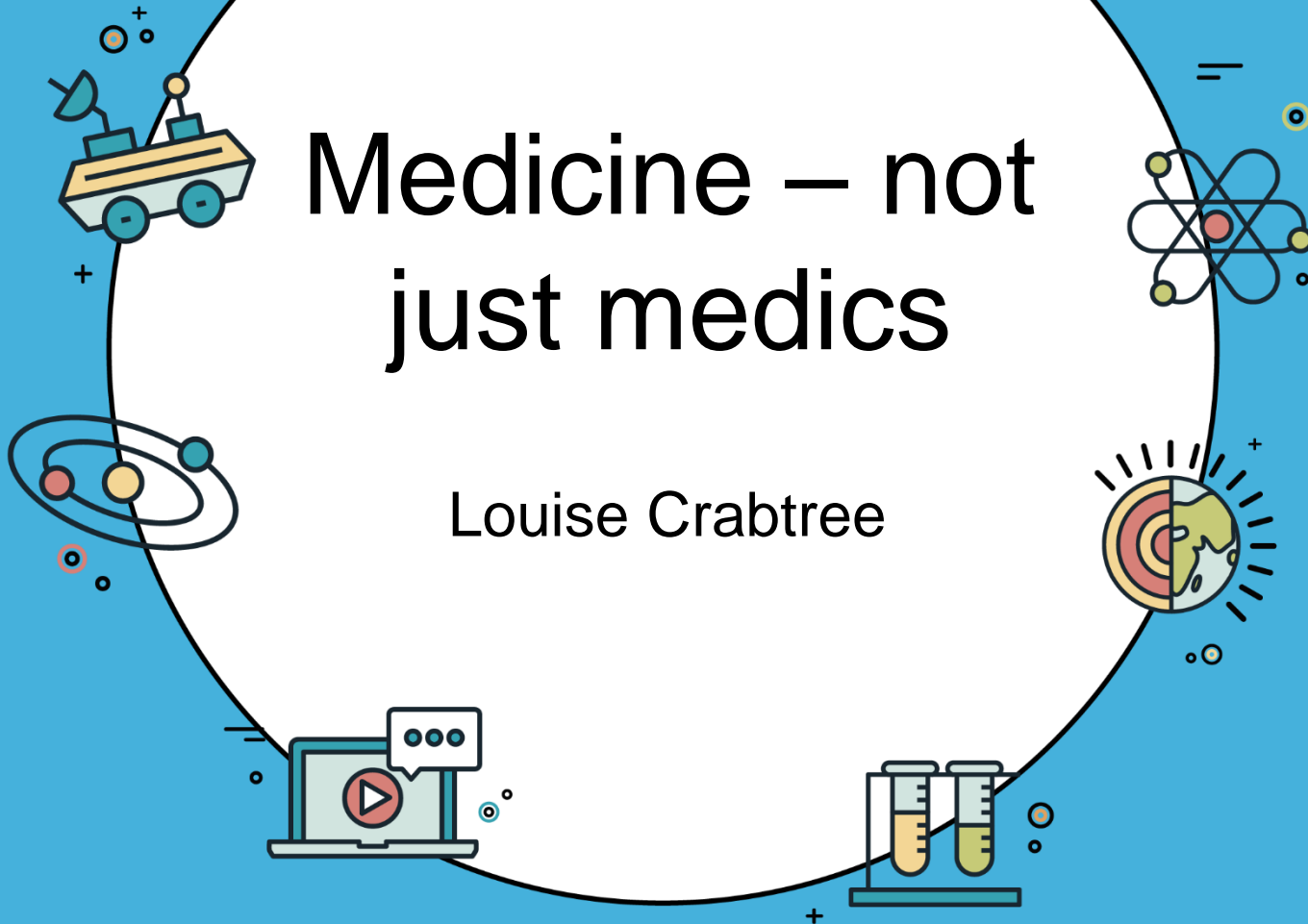




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# Medicine – not just medics

Louise Crabtree



# Introduction



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- Overview and rationale
- Targeting
- Programme detail
- Continuous improvement
- Evaluation
- Challenges and future plans

# Rationale



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- Identified a need to showcase alternative options to medicine for students interested in STEM
- Key influencers encourage top set students to apply for medicine/dentistry
- May not be right motivation for the course and may not be accepted



# Targeting



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- Year 9-11 (mainly Y9 & 10) before making post 16 choices
- Groups of 10 students per school (logistics easier for schools)
- High achieving in STEM or have potential
- Encourage and prioritise students on FSM
- Target schools in low socio-economic areas

# Aims



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Give students information on careers in STEM they may not have considered - all with a medical link.



Exploring motivation towards a particular career and demonstrating how scientists and engineers work together to solve medical problems - often alongside healthcare professionals



Provide hands on experience of STEM activities with a link to medicine and health



Involve current UG and PG students as role models



# Example timetable



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Time	Group 1	Group 2	Group 3
	Introduction		
10:05 – 11:05	Surgical Instruments	Modelling the Kidney - exploring drug excretion	Drug design
11:10 – 12:10	Drug design	Surgical Instruments	Modelling the Kidney - exploring drug excretion
12:15 – 12:45	Lunch		
12:40 – 13:20	Campus Tour		
13:20 – 14:20	Modelling the Kidney - exploring drug excretion	Drug design	Surgical Instruments
14:20 – 14:30	Evaluation and Depart		

# Example slide



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**NHS**

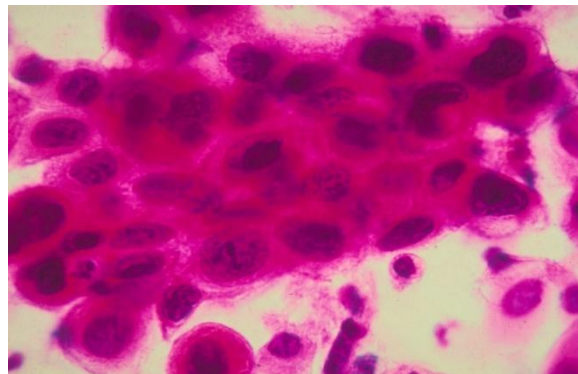
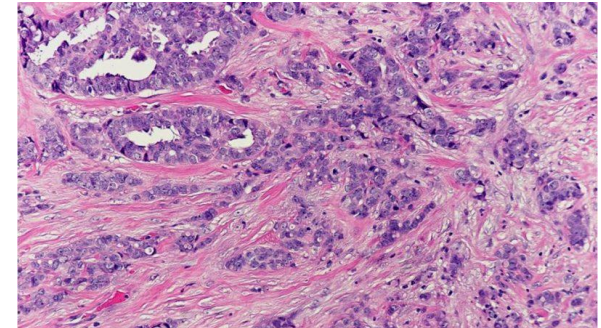
Dr Ian Watson

**If you've been coughing for 3 weeks, it might not be 'only a cough', so tell your doctor.**

Everyone gets a cough now and again, but if you've had one for over three weeks you should see your doctor. Coughing could be a sign of lung cancer. Of course, in the vast majority of cases it won't be serious. But if there is something wrong, finding it early means it's more likely to be treatable, so tell your doctor.

**BE CLEAR ON CANCER**

[thelungcancer.org.uk](http://thelungcancer.org.uk)



# Continuous Improvement



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- ✓ Introduced campus tour
- ✓ Developed in-school workshop - sustained project, greater impact
- ✓ Reviewed evaluation questions
- ✓ Reviewed target schools
- ✓ Year 12 version

# Evaluation



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## Pre and post event questionnaires

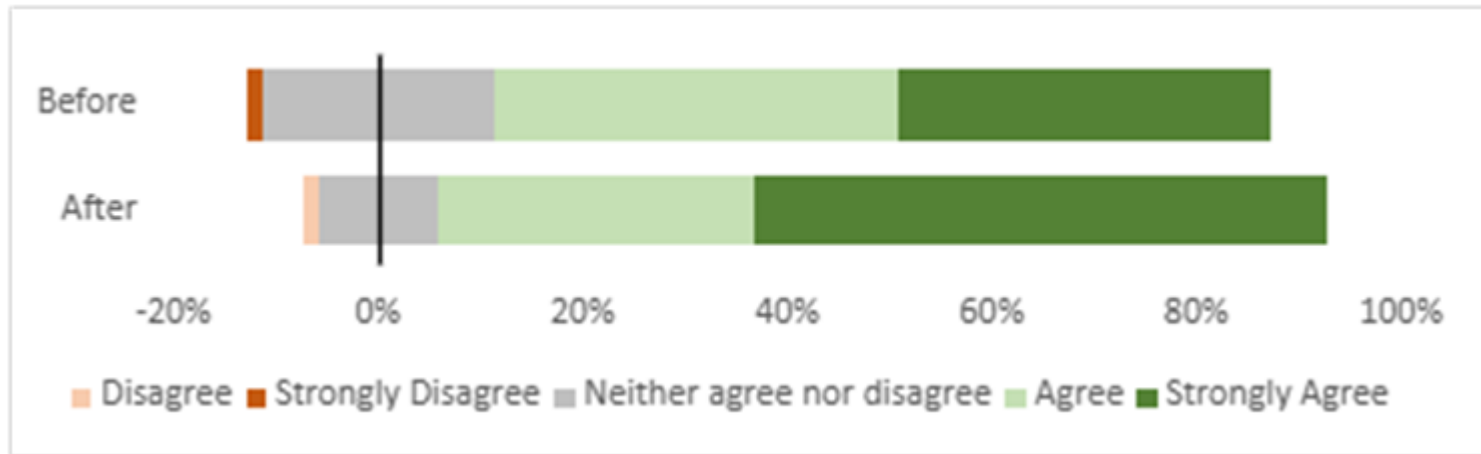
2023	
I know more about courses and careers in STEM	90% Agree/ Strongly agree
I want to be a doctor/dentist	Decrease of 9.5%

# Evaluation 2024

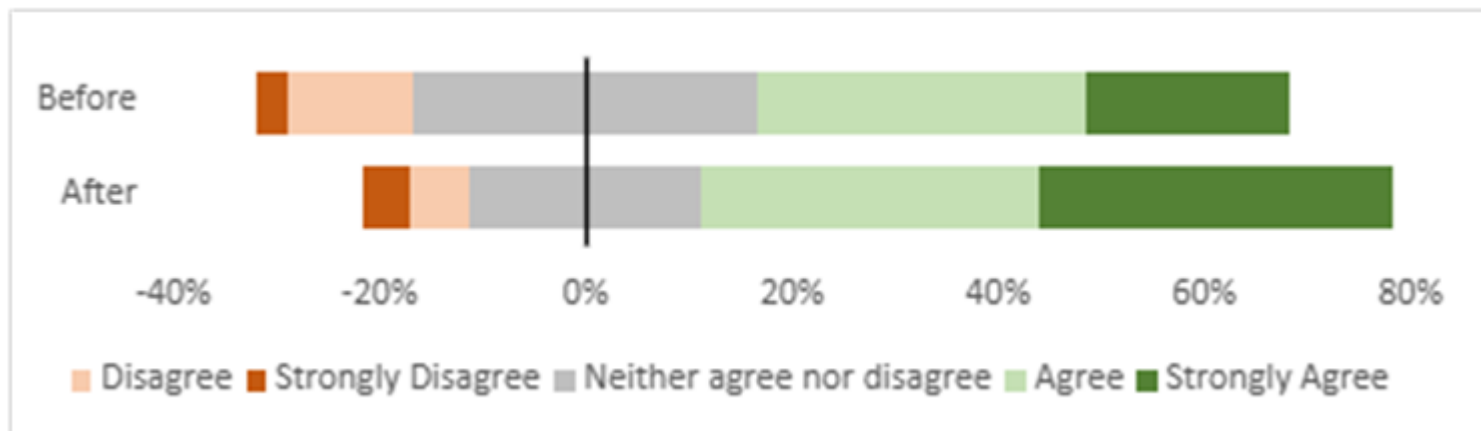


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I would like to go to university



I will apply for a science subject at university

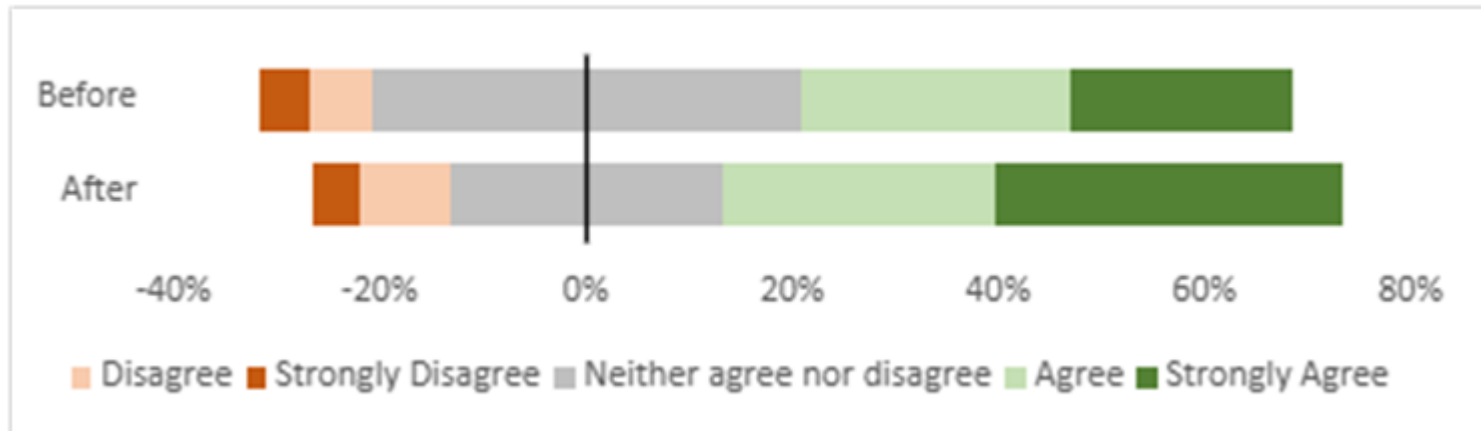


# Evaluation 2024

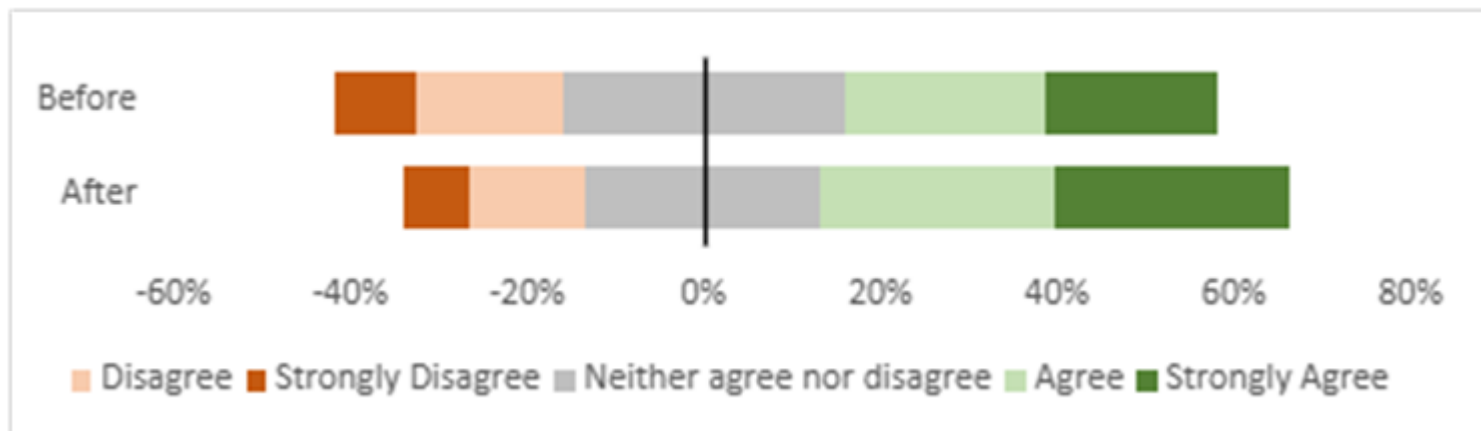


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I'm interested in a science career



I want to be a medical professional



# Evaluation



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I enjoyed this as it allowed me to understand the importance of different surgical items as they all have different purposes.

Nice task and encouraged me to think outside the box

Cool to learn about how drugs are made and developed

The kidney is a complicated organ and I want to learn more so I can take more part!

# Challenges



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- Logistical issues with in-school workshop
- Mixed and missing evaluation
- Teachers understanding the event and bringing those who would benefit most

# Future plans



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- Review in-school workshop
- Work with colleagues in medicine & health
- Re-introduce year 12 programme

# Thank you for listening!



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Any questions, comments  
or suggestions?