

Research Space Conference paper

Insightful teaching – what role is there for research co-creation as professional development?

Lawson, F. and Lawson, M.

Insightful teaching – what role is there for research cocreation as professional development?

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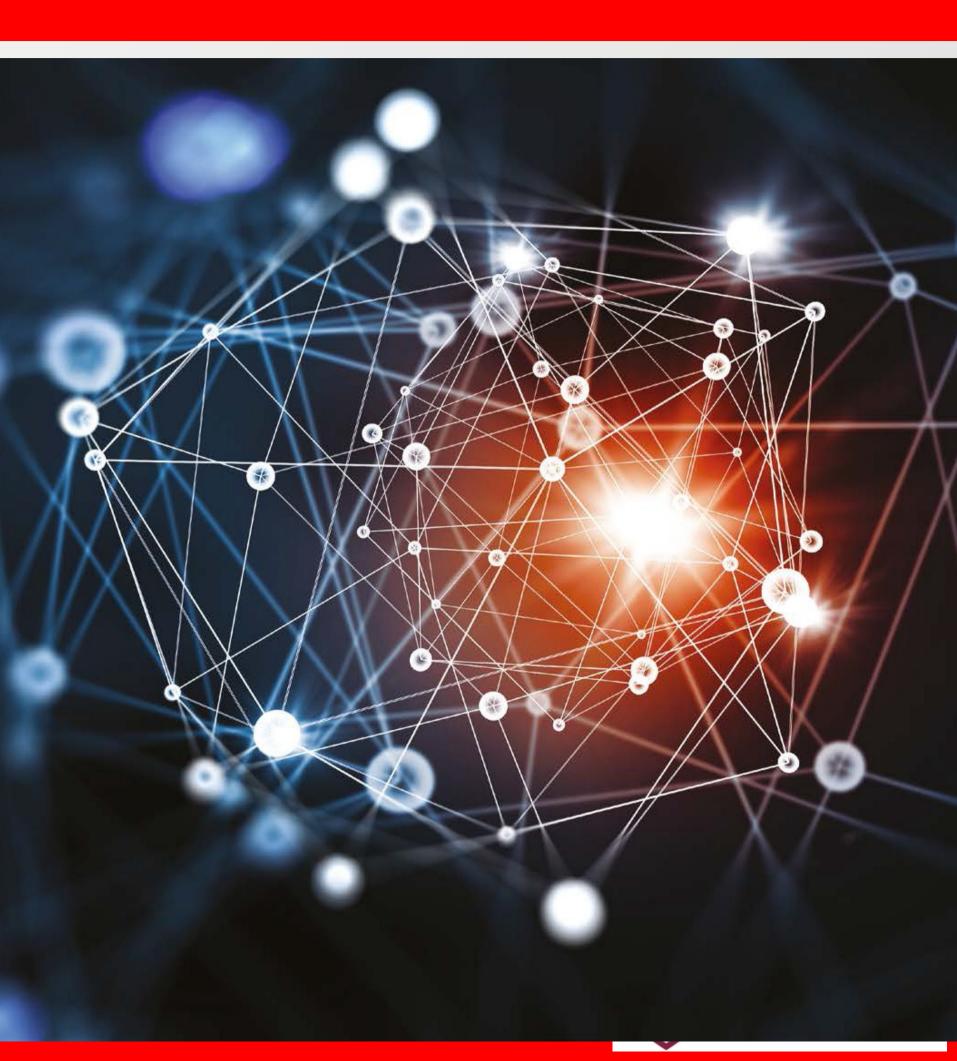
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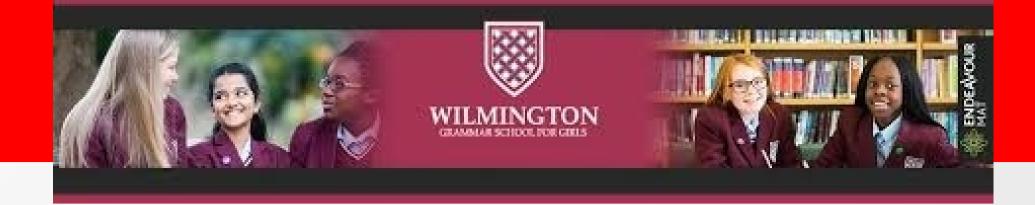


Developing a cocreation research partnership

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Epistemic Insight



- Responding to Ofsted and OECD for students to be equipped in understanding knowledge formation within and across disciplines
- How do you know what you know?
- What do you do with the knowledge you have?
- What ensures that students learn more and remember more?



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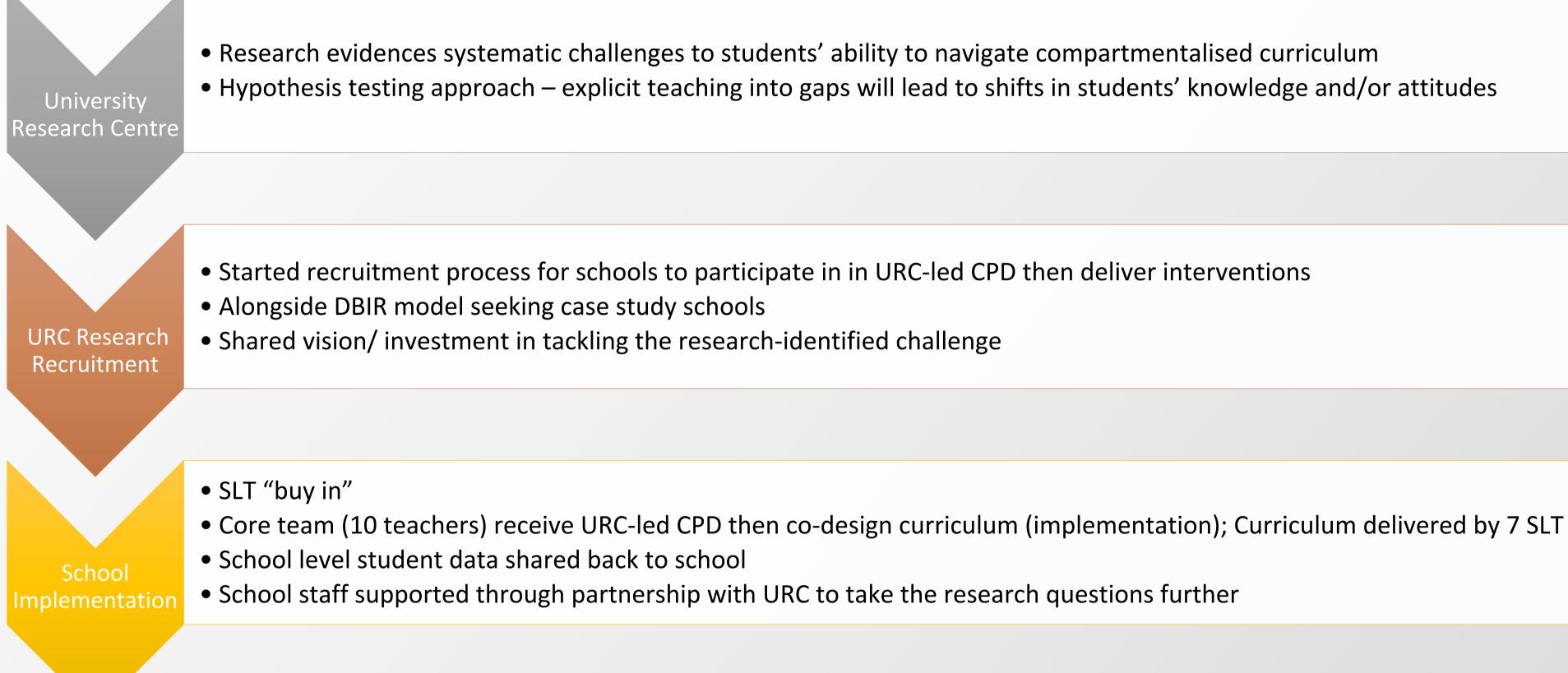






Epistemic Insight Co-Creation Partnership Process

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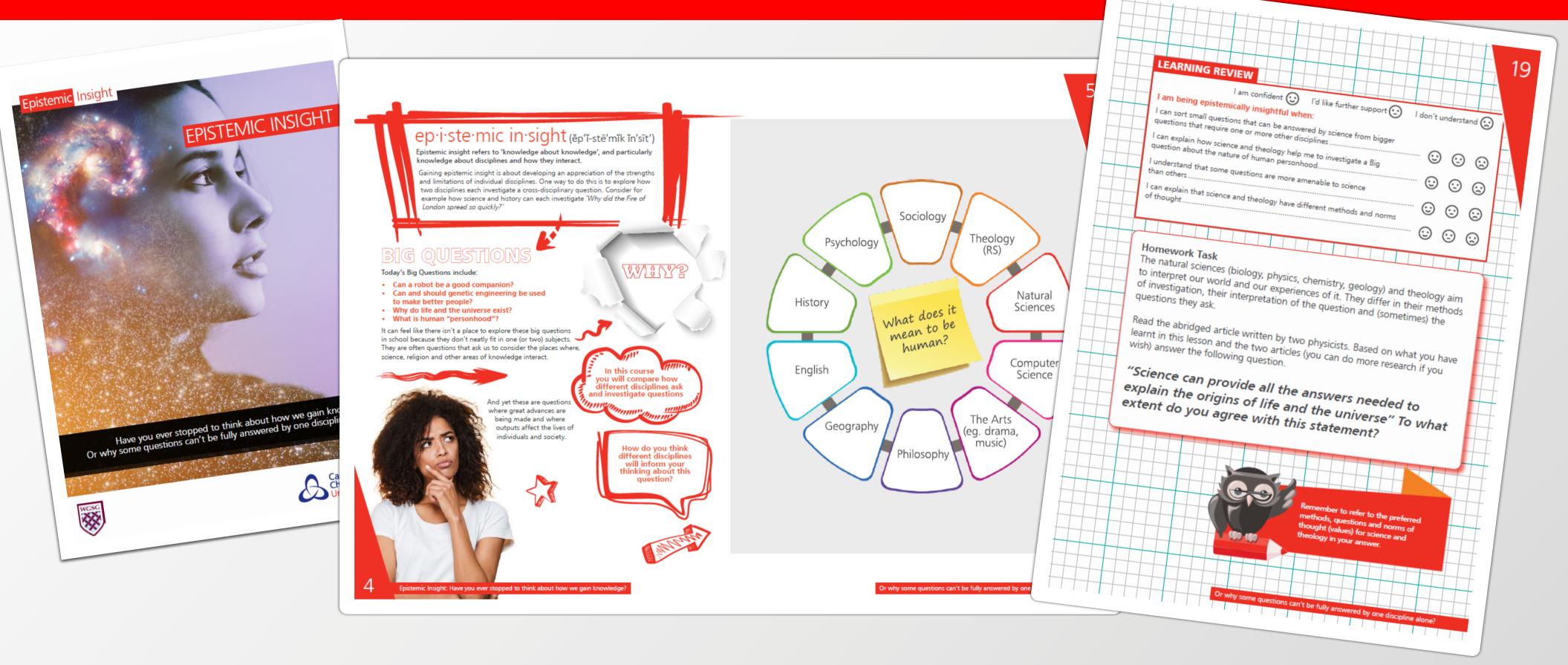








Epistemic Insight Developing a Curriculum







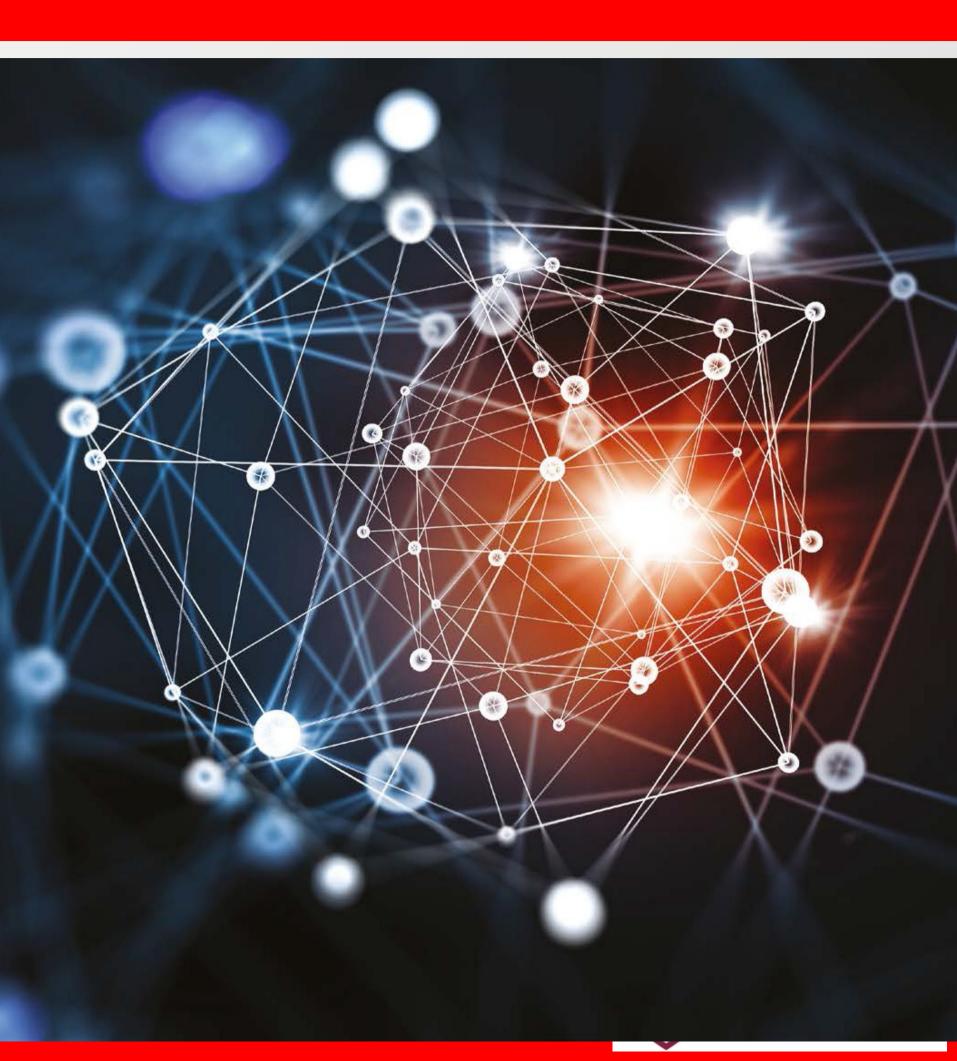


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Developing a researchengaged school (in partnership)

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From 17 staff to a Whole school

Results published internally – working towards external publications

PLC investigates a research question of their choice

PLC- Professional Learning Community URC – University Research Centre

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Planning team can see impact/use of their work

> More staff want to take part in research

Teacher agency increased through investigating the questions that matter to them.

> All staff (including support staff) involve in PLC

SLT deliver research and methodology training with support of URC







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Epistemic Insight But What About the Original Project?

- 2nd year of delivery on the original project still informing URC research (through implementation research, data evidence and staff suggestions)
- Year 8 development project led by NEW planning team
- Year 12 elective exploring the same curriculum for comparable data set (delivery by original planning team teacher)
- Exploring independent Year 9 accredited qualification delivered by school scholarship lead

Reality?

- Transformational learning and ethos in school (in 2 years)
- Led by teachers with shared (enthusiastic) vision
- New challenge embedding the original vision and not scattering to the four corners!

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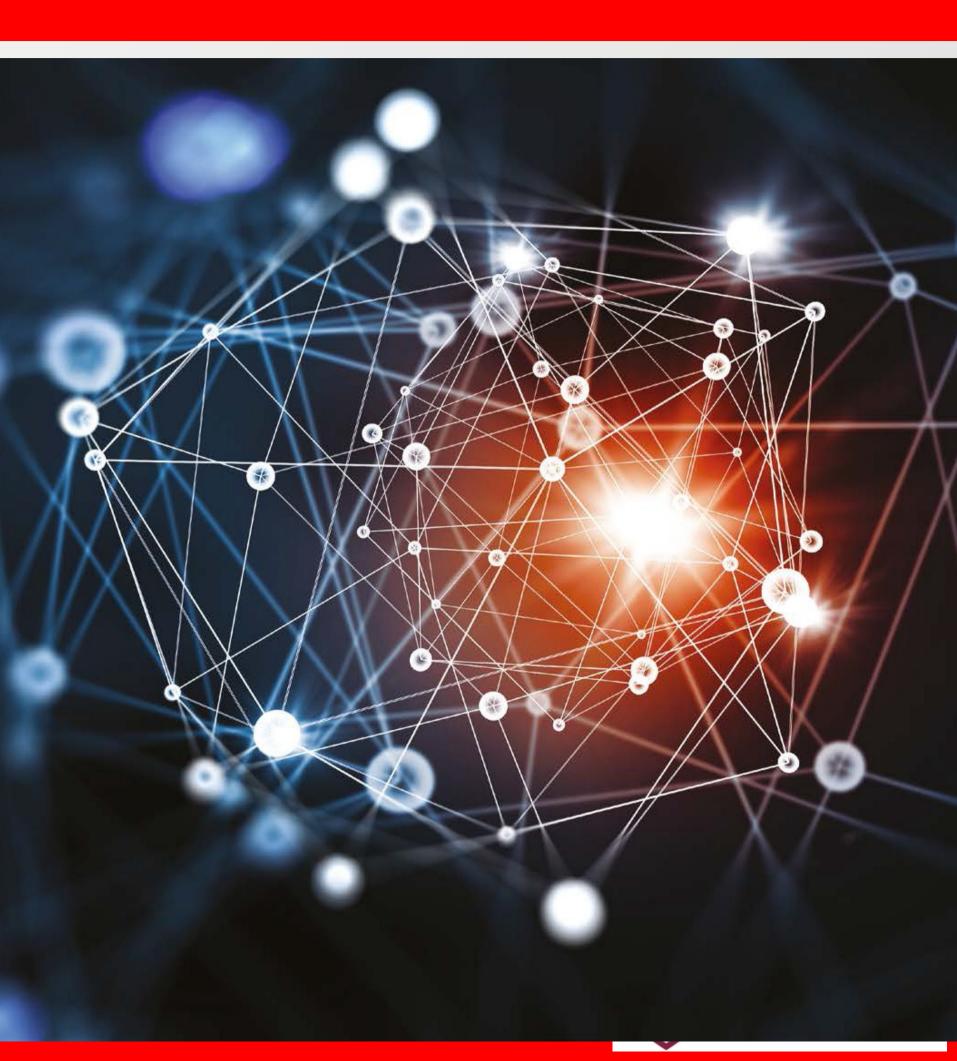




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Interim evidence of impact, & next steps

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Epistemic Insight Comments from staff surveys (20-21)

What has surprised you regarding student engagement? "the level of thinking and complexity that young children can access"

Colleagues have commented on students use of knowledge and application from other subjects and students themselves commented on how they are using an EI approach to their work.

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Students are becoming more confident in seeking answers from a multi-disciplinary approach - they have been able to make connections between disciplines and understand contrasting viewpoints as a result of the El work.





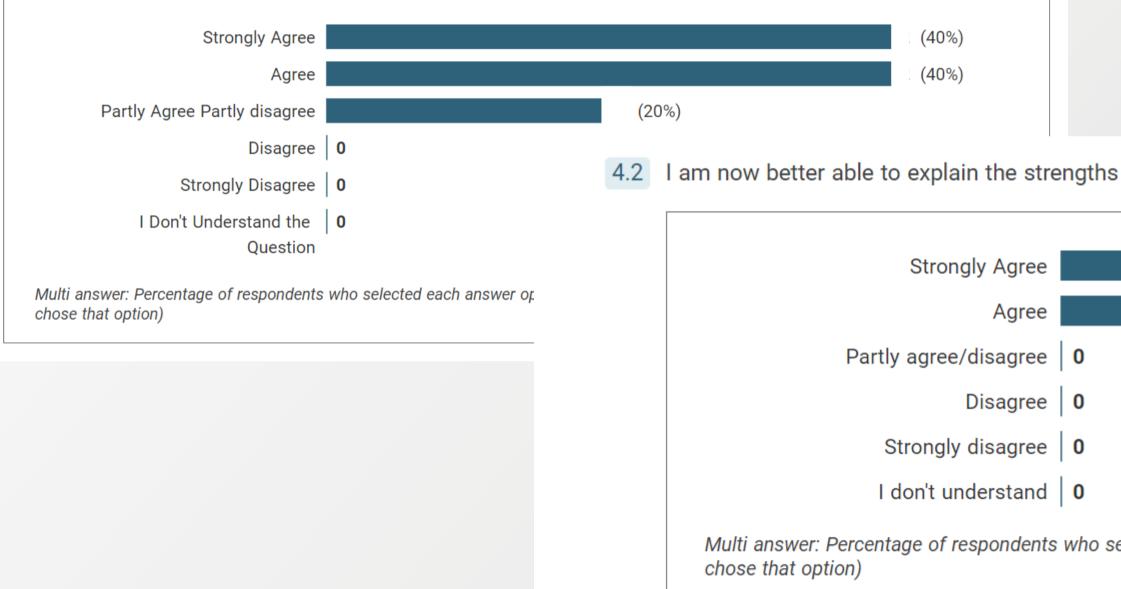


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Epistemic Insight Increase in subject knowledge

As a result of delivering sessions using the Epistemic Insight pedagogy (Oct 20)

5.3	I now have a better understanding of the preferred questions in my discipline and the preferred questions in another
	discipline.



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As a result of delivering sessions using the Epistemic Insight pedagogy to what extent do you agree with the following (Jan 21)

hs and limitations of a range of disciplines	\$
	(66.7%)
I (33.3%)	
selected each answer option (e.g. 100% would represent that all this question's	respondents



Epistemic Insight Shift in Pedagogical practice

Has teaching using epistemic insight pedagogy changed your attitude to students wanting to examine "off topic" questions within your lessons? Apr 21 & Apr 22

Yes, i have changed my approach and used El pedagogy in my teaching allowing them to explore other viewpoints to a question outside of the subject area. An example, in Law we discussed the issues with sentencing and students brought in sociological knowledge regarding ethnicity and gender bias. [...]. Although not completely off topic, it was outside of spec which then allowed for deeper analysis and evaluation in their work.

I have been much more comfortable relating topics to subjects outside History. Especially when relating to topics students don't study in the lower school such as psychology and sociology. I am also much better at signposting where these links are for students.

Yes, in particular when teaching the philosophy and ethics unit to year 8 - understanding the impact of El pedagogy has allowed my teaching to be flexible in addressing other areas which are not in my lesson plan but provide another answer to the moral dilemmas being analysed. (Apr 22)

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Epistemic Insight Shift in Pedagogical practice (2)

What impact has delivering the EI programme had on your approach to addressing questions from a multidisciplinary perspective within your "subject teaching" this academic year? Jan '22

It has supporting me to ensure that plan for opportunities within my lessons to go beyond the specification and enable students to develop their analytical and evaluative skills further using a multi disciplinary approach

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As a result of your involvement in the Epistemic Insight Initiative has your experience of working with staff from other departments to deliver learning changed. Jan '22

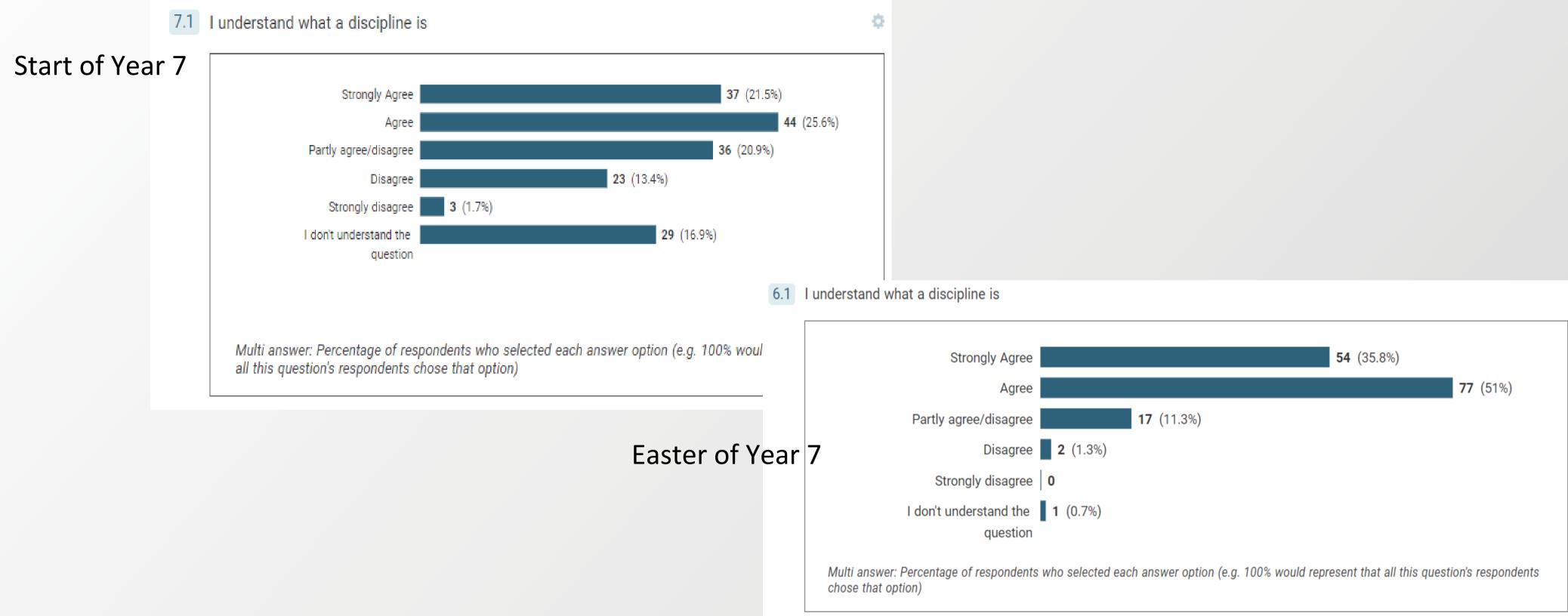
Working collaboratively in planning the project has enabled me to develop my understanding of the norms of thoughts of other disciplines and how these are delivered and embedded within students' learning and how other departments cross over in their approaches and opportunities for further discussion on permeable walls approach to planning.







Change in Students' Understanding of Disciplinary Epistemic Insight Knowledge



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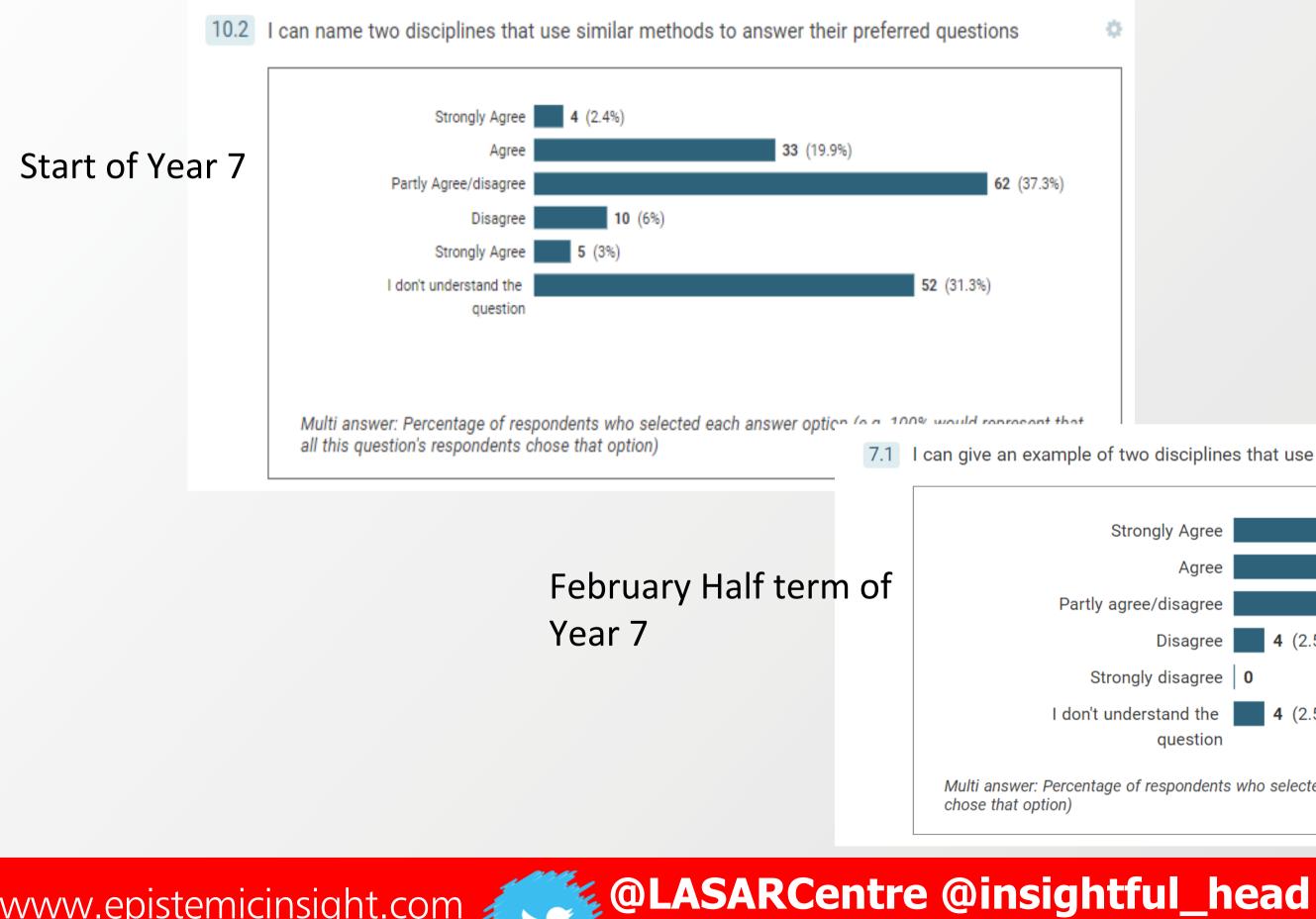
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Epistemic Insight Change in Students' Ability to Apply Their Understanding

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7.1 I can give an example of two disciplines that use similar methods to answer their preferred questions

Strongly Agree 45 (27.8%) 73 (45.1%) Agree 36 (22.2%) 4 (2.5%) Disagree Strongly disagree **0** 4 (2.5%) question

Multi answer: Percentage of respondents who selected each answer option (e.g. 100% would represent that all this question's respondents





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Epistemic Insight Comments from student survey

helps me view things in different perspectives and helps me have a larger viewpoint. it has been helpful for understanding questions with an open mind

What has a multidisciplinary approach added to their understanding of the Big Question?

I now know different ways to answer the question and can sort the answers with different disciplines. I can view the question through many different disciplines

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what surprised me is that there are many answers and thought processes and that in most cases it's about how you think about something, if you're thinking scientifically you would get a completely different answer than if you're thinking another way.

What has surprised them about exploring through a multidisciplinary perspective?

I'm surprised that different disciplines can answer the same question and word the question in a completely different way.





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Epistemic Insight Next Steps

- Create a learning network between partnership schools, and between partnership schools and ITE provision.
- Support partners to apply for practitioner-research funding (including teacher) release) if wanted/appropriate
- Develop processes for feeding the continued in-school research into the "academic" community and practice

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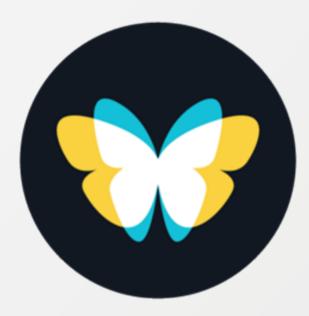




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Work funded by TWCF's Big Questions in Classrooms Initiative





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