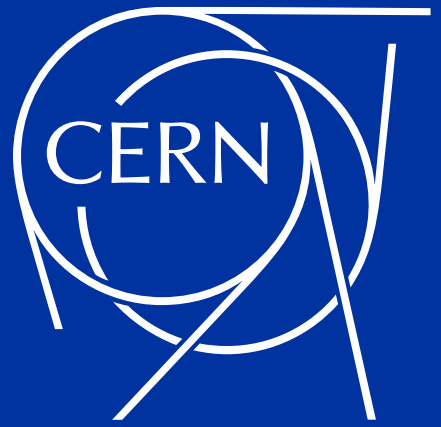


Concept Maps

German Teacher Programme 2023

Milena Vujanović

09/06/2023

CERN DD/OC

Information Management: A Proposal

Tim Berners-Lee, CERN/DD

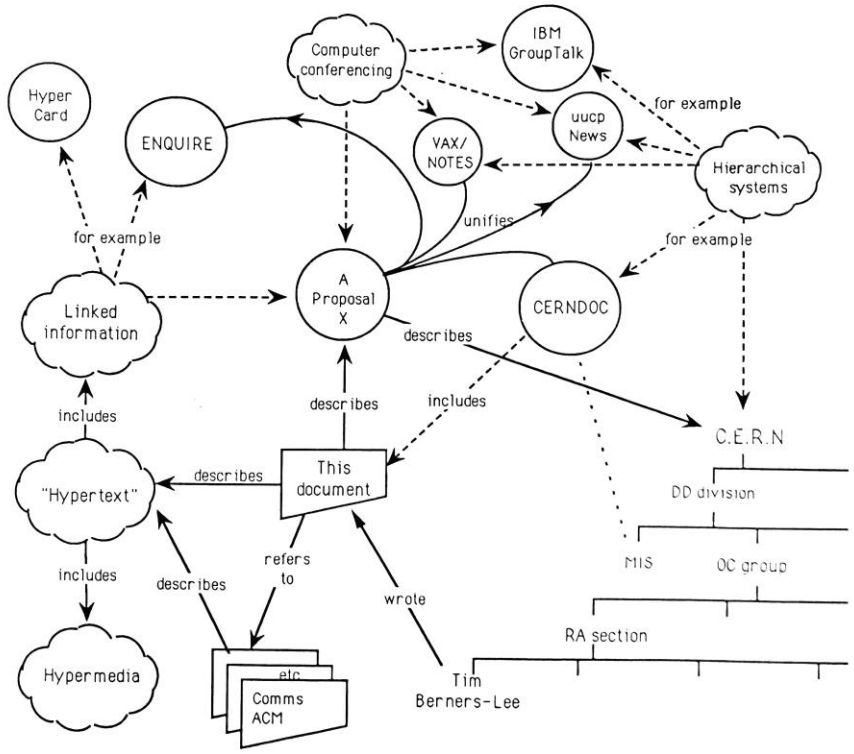
March 1989

Information Management: A Proposal

Abstract

This proposal concerns the management of general information about accelerators and experiments at CERN. It discusses the problems of loss of information about complex evolving systems and derives a solution based on a distributed hypertext sytstem.

Keywords: Hypertext, Computer conferencing, Document retrieval, Information management, Project control



Focus Question

Focus Question

What do you know about concept maps?

What do you know about concept maps?

What do you know about concept maps?

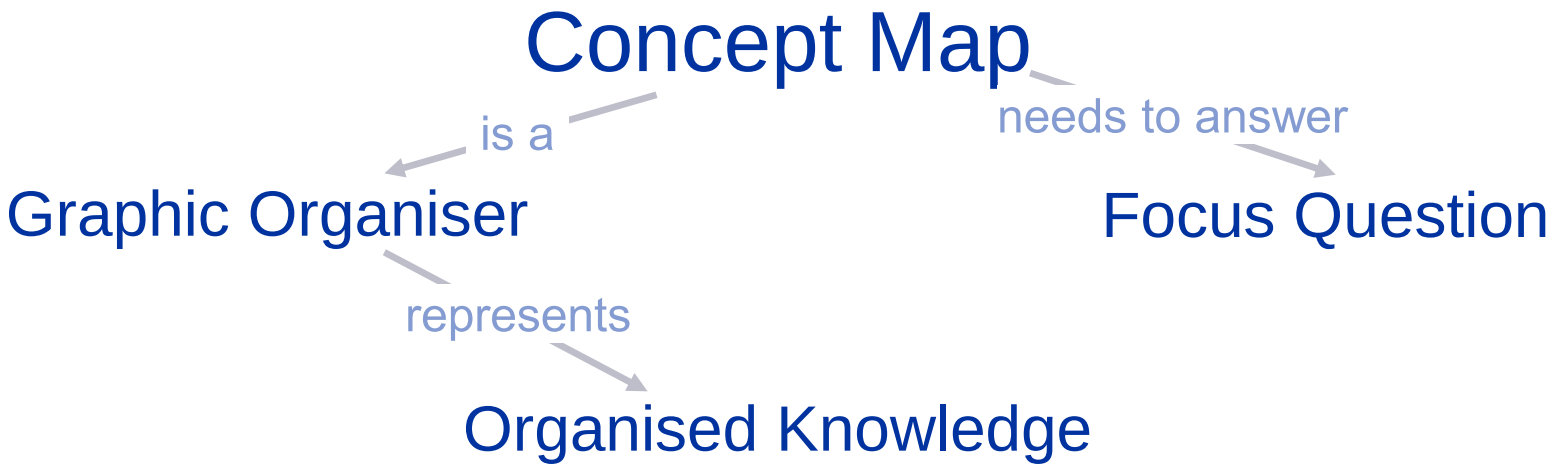
Concept Map

is a

Graphic Organiser

What do you know about concept maps?

What do you know about concept maps?



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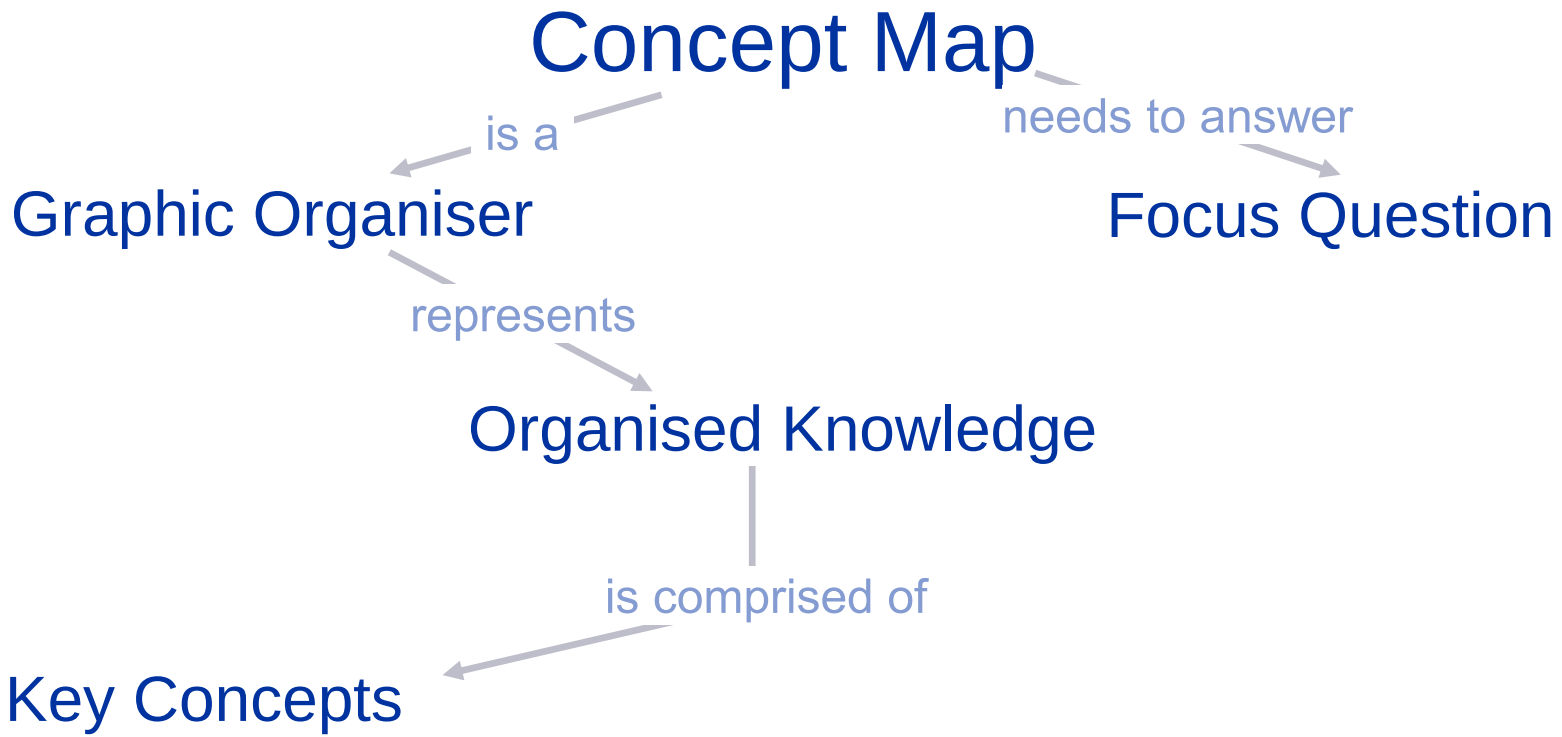

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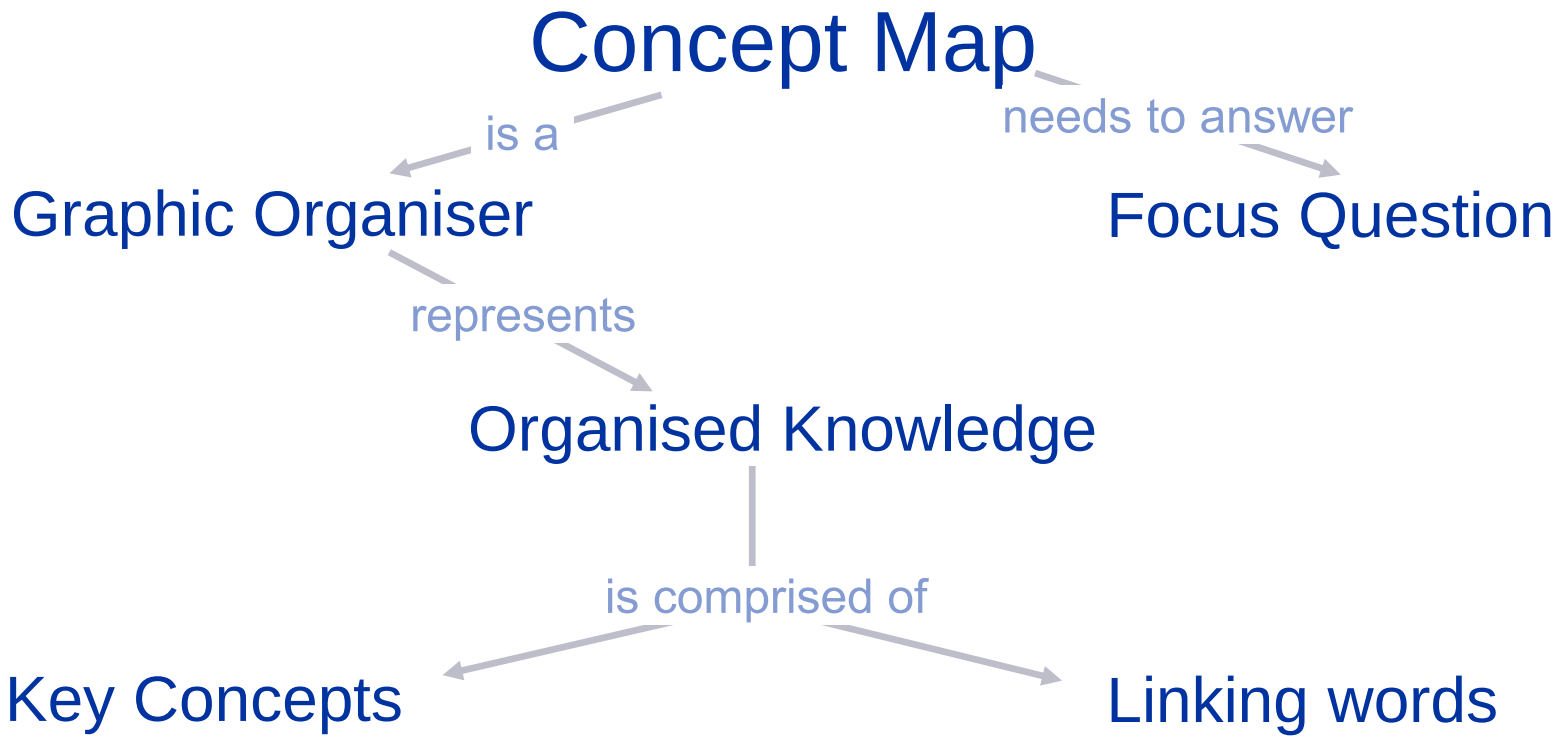

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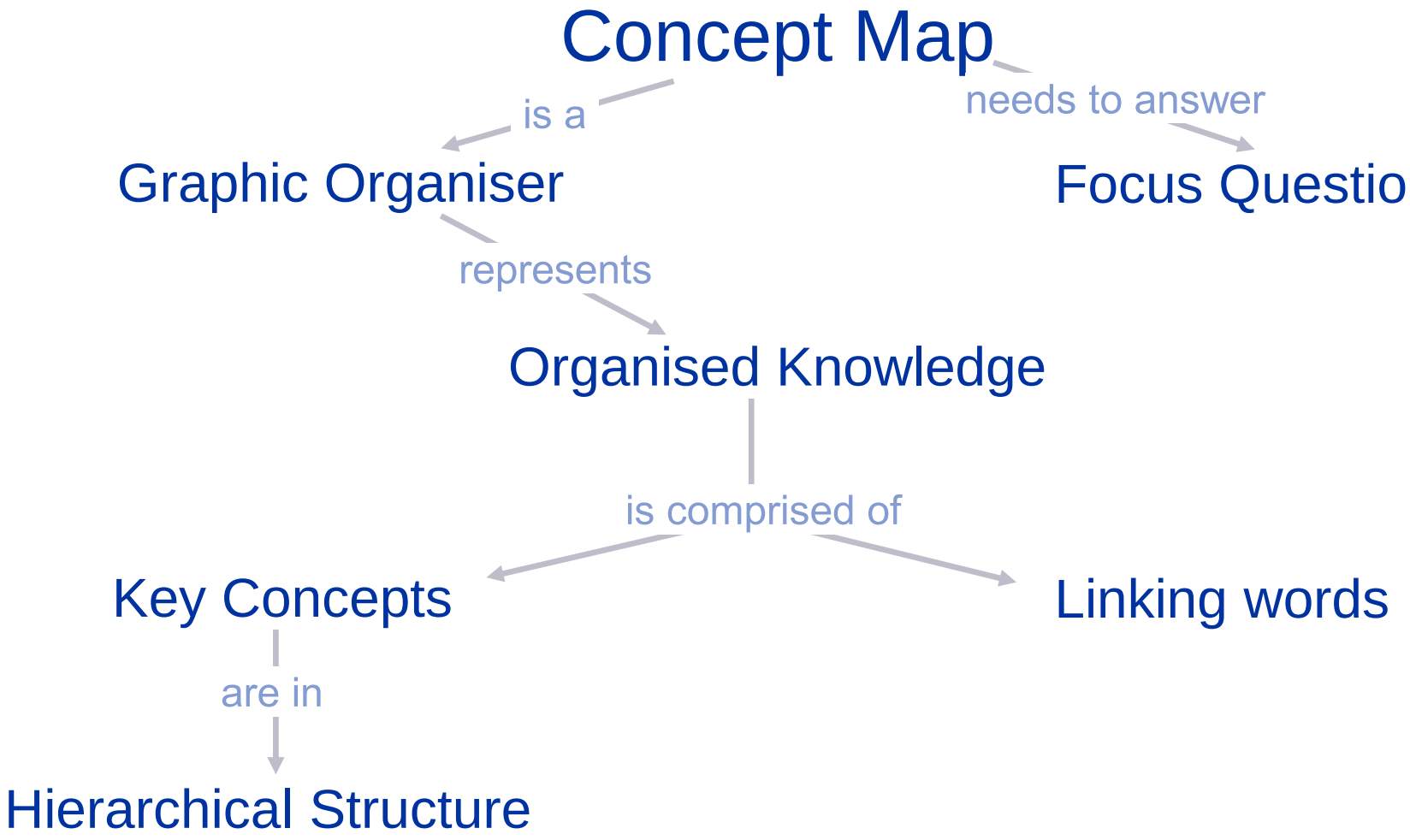

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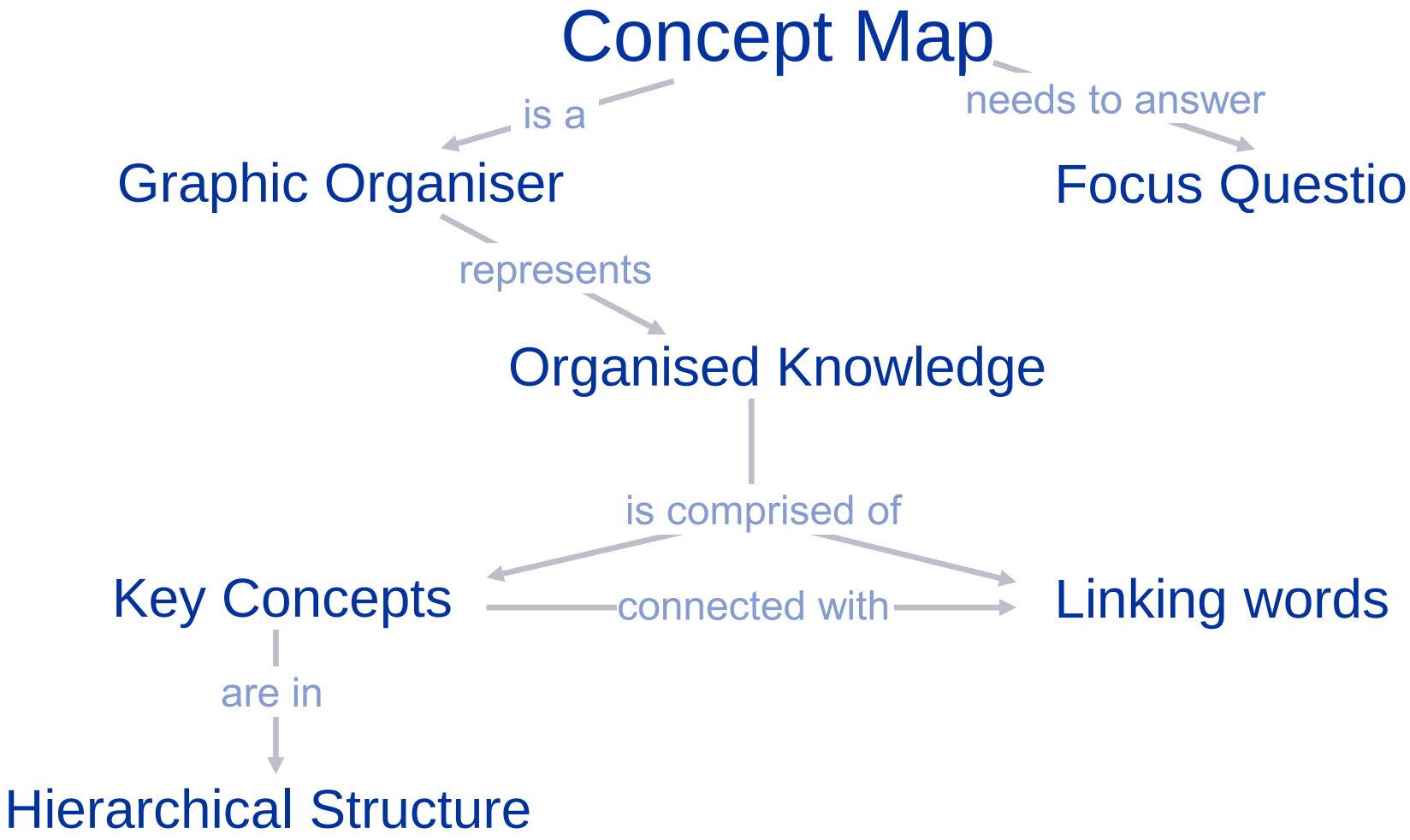

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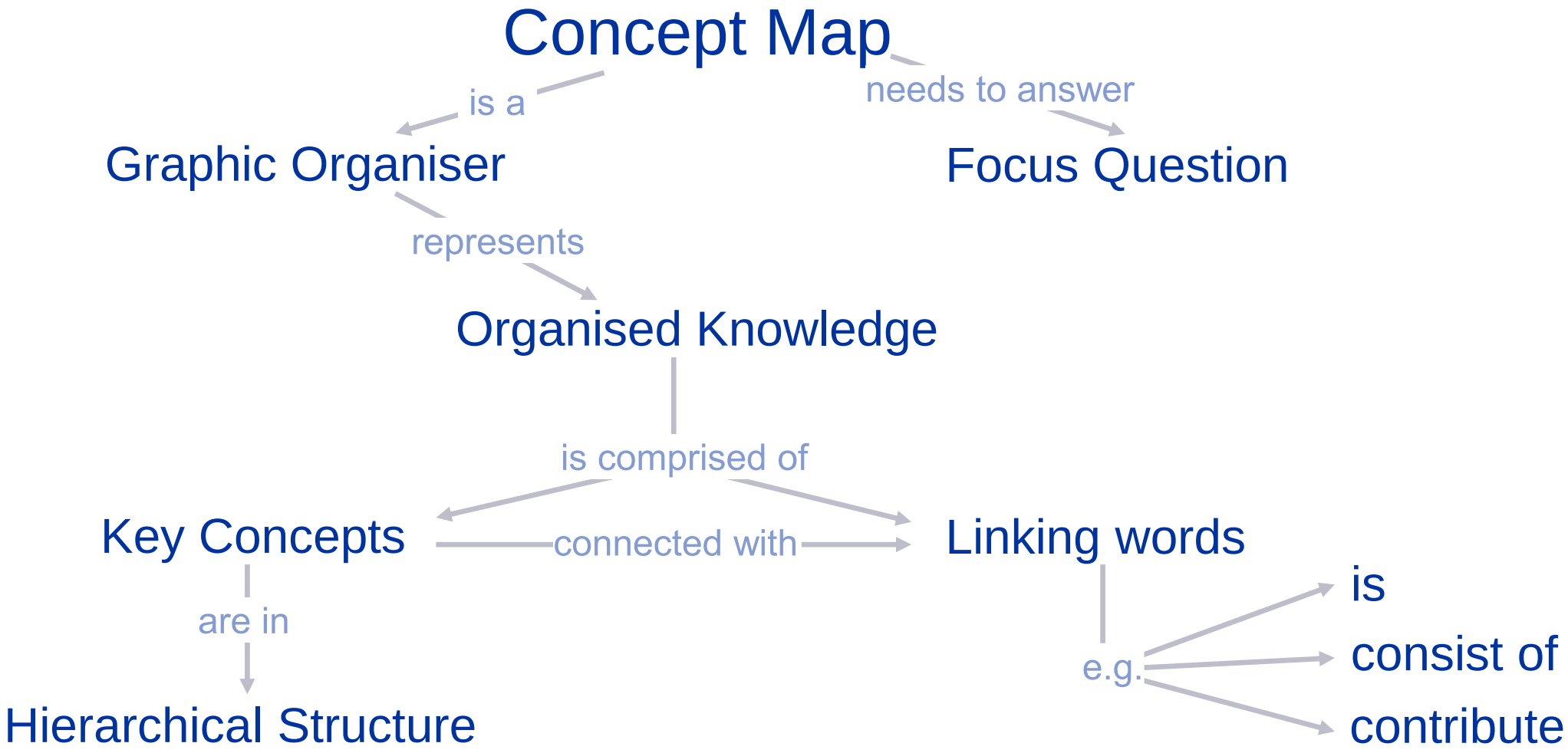

Constructing Concept Maps

Constructing Concept Maps

1. Focus question

Constructing Concept Maps

1. Focus question → What do you know about Hogwarts?

Constructing Concept Maps

1. Focus question → What do you know about Hogwarts?

2. Stop and think

Constructing Concept Maps

1. Focus question → What do you know about Hogwarts?

2. Stop and think → Chose 2 – 5 key concepts

Hogwarts

1. What do you know about Hogwarts?
2. 2-5 key concepts

School for magic

Students

Hogwarts

1. What do you know about Hogwarts?
2. 2-5 key concepts
3. Link

School for magic

Students

Hogwarts

1. What do you know about Hogwarts?
2. 2-5 key concepts
3. Link and use ARROWS

School for magic

Students

Hogwarts

1. What do you know about Hogwarts?
2. 2-5 key concepts
3. Link and use ARROWS and LINKING WORDS !!!

1. What do you know about Hogwarts?
2. 2-5 key concepts
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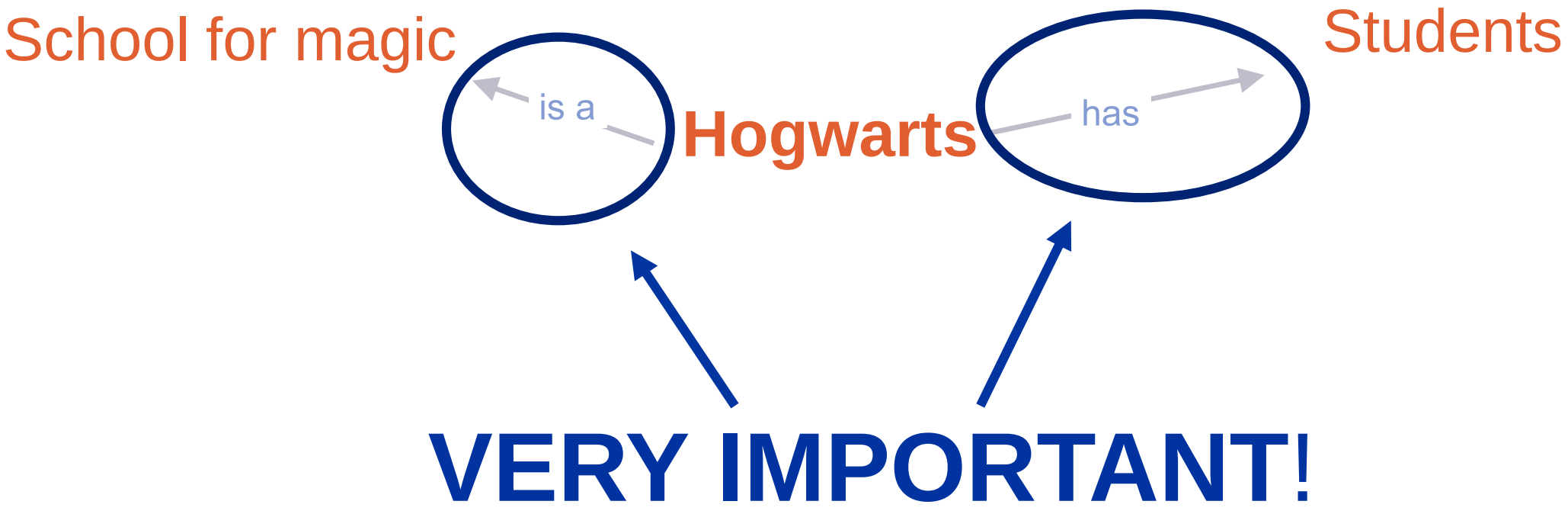
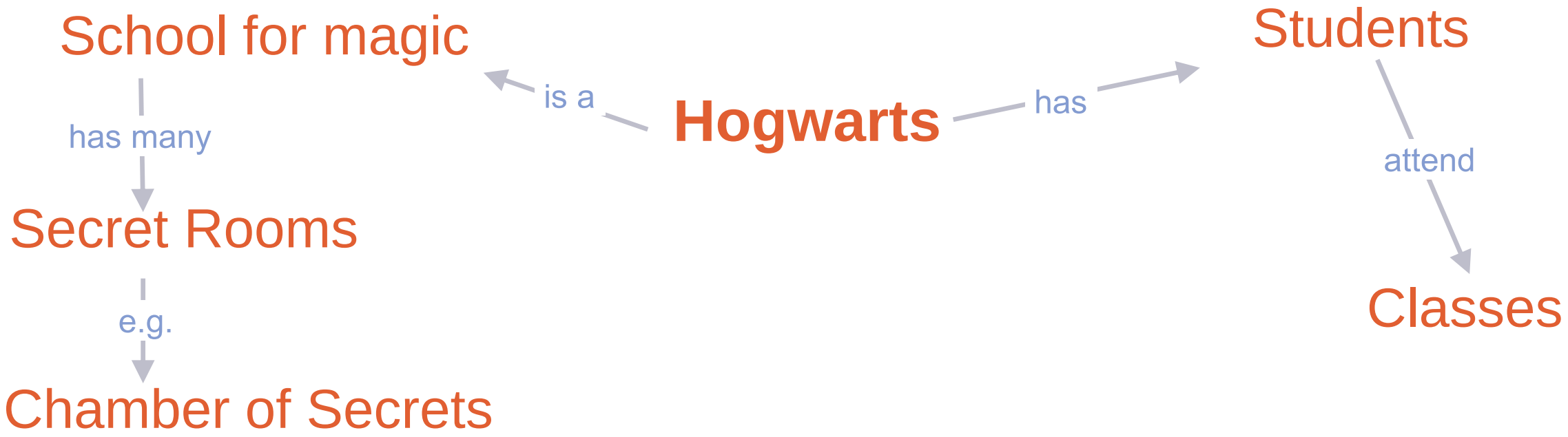


1. What do you know about Hogwarts?
2. 2-5 key concepts
3. Link and use ARROWS and LINKING WORDS !!!
4. Expand

1. What do you know about Hogwarts?
2. 2-5 key concepts
3. Link and use ARROWS and LINKING WORDS !!!
4. Expand… and expand some more



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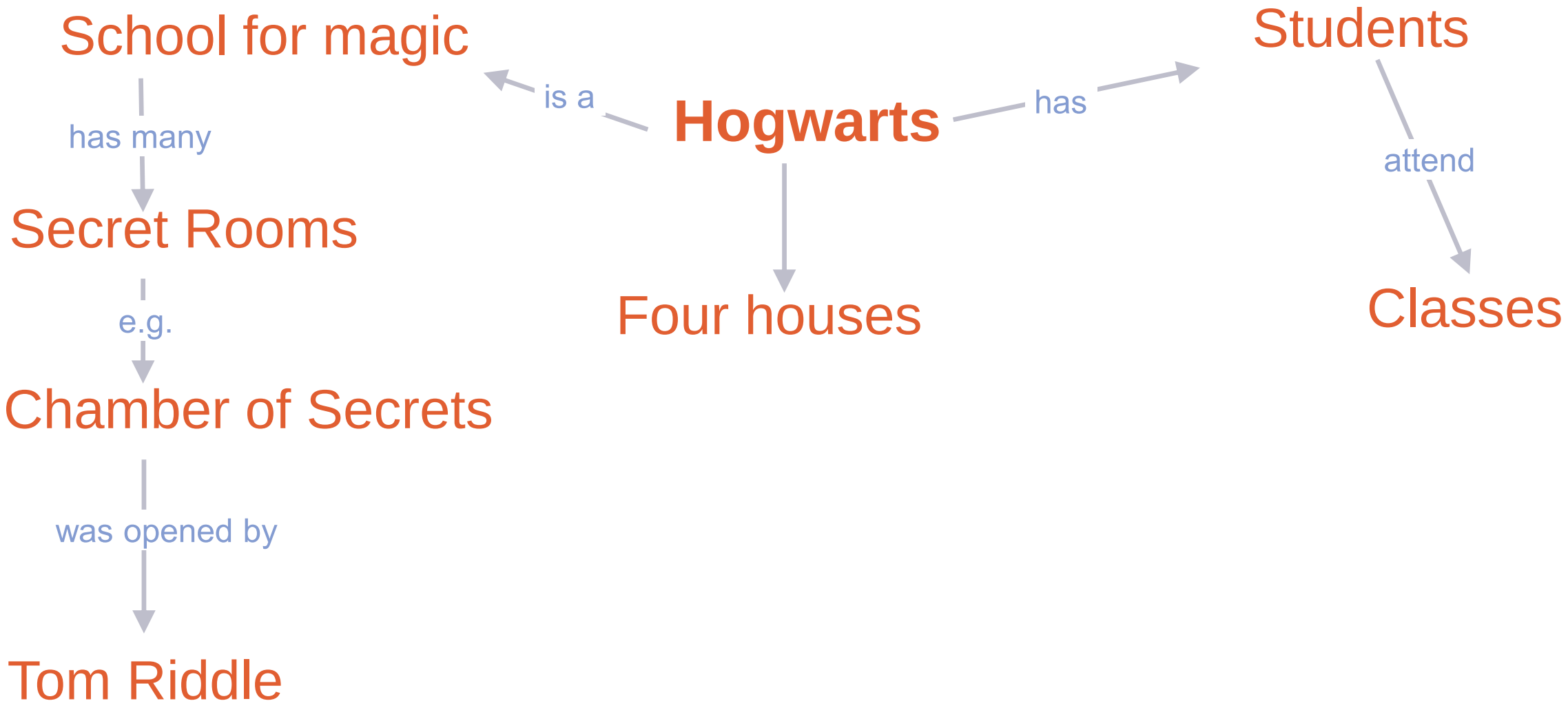

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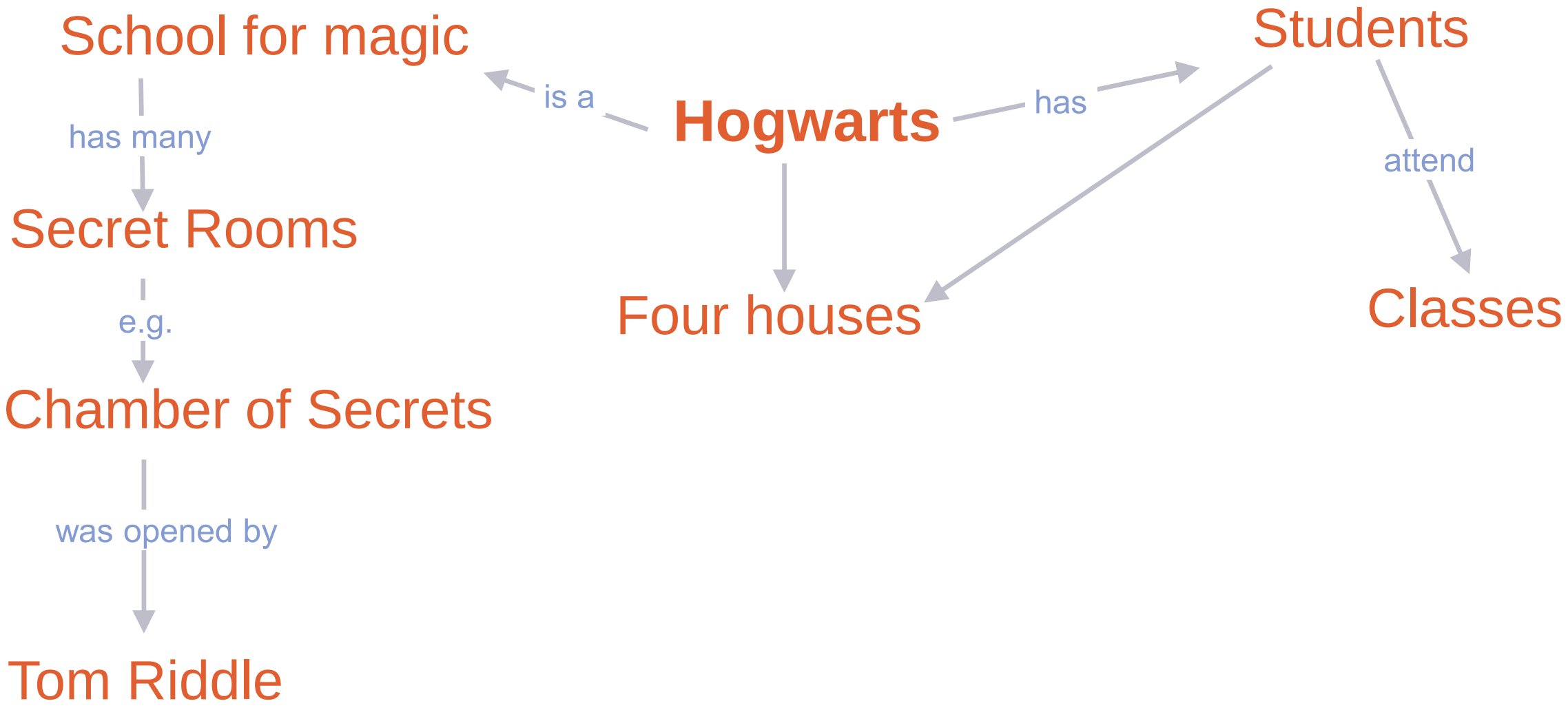

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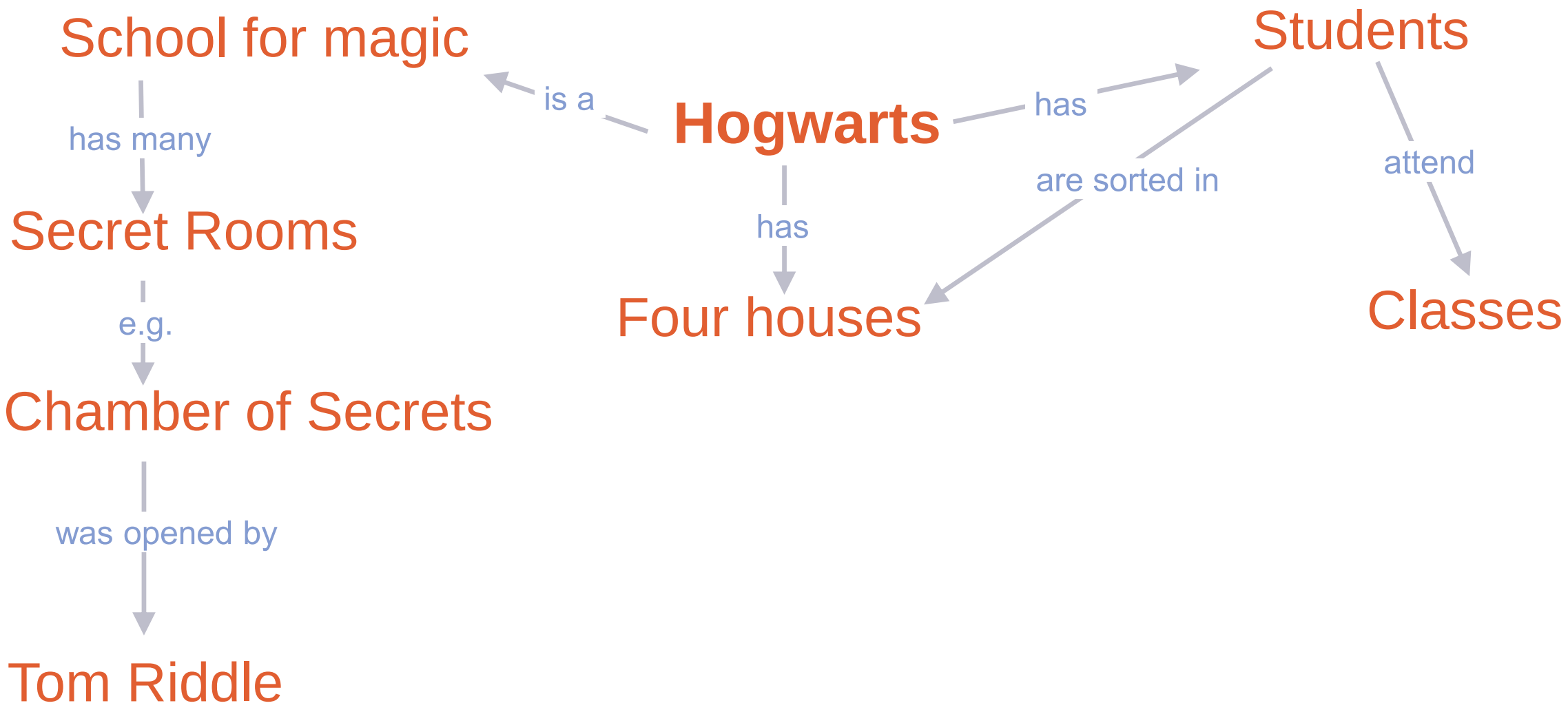

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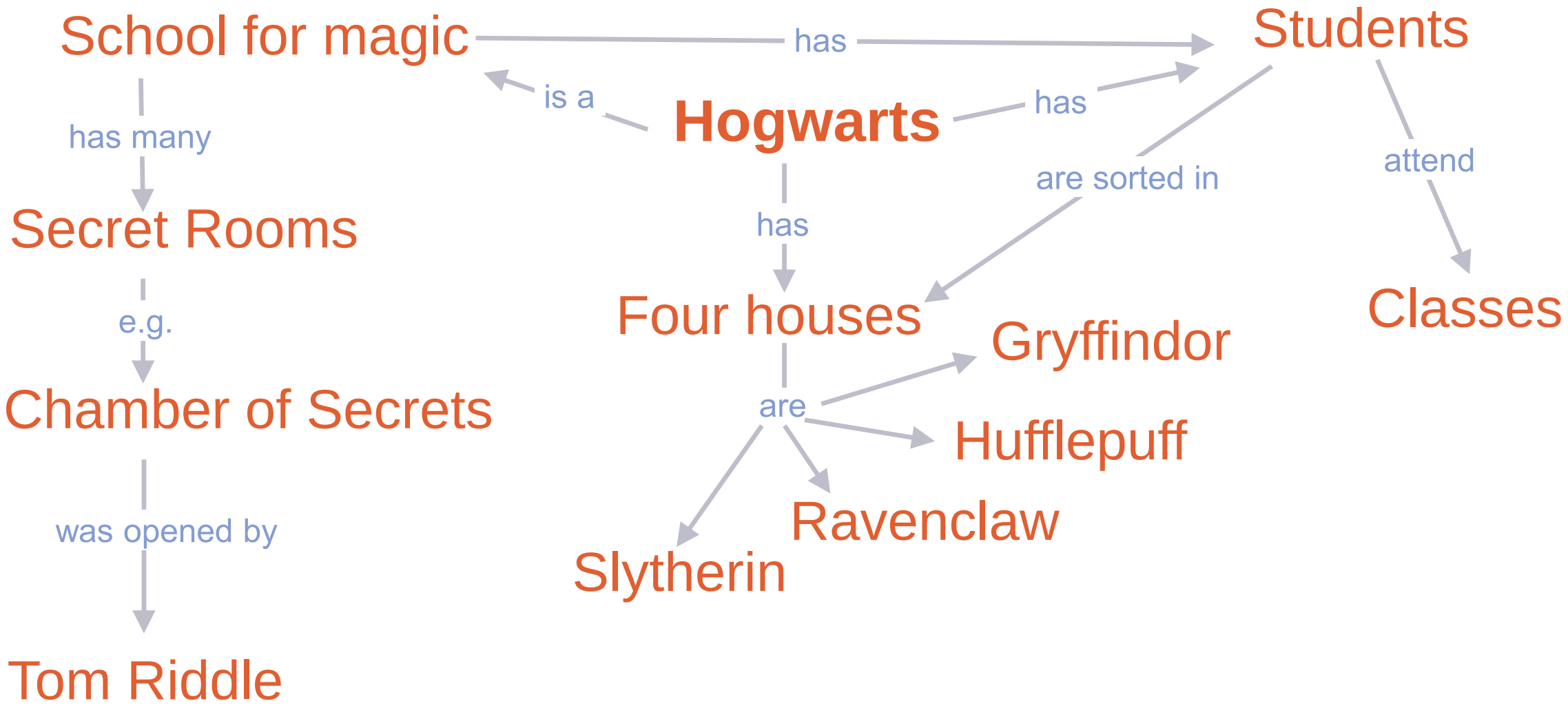

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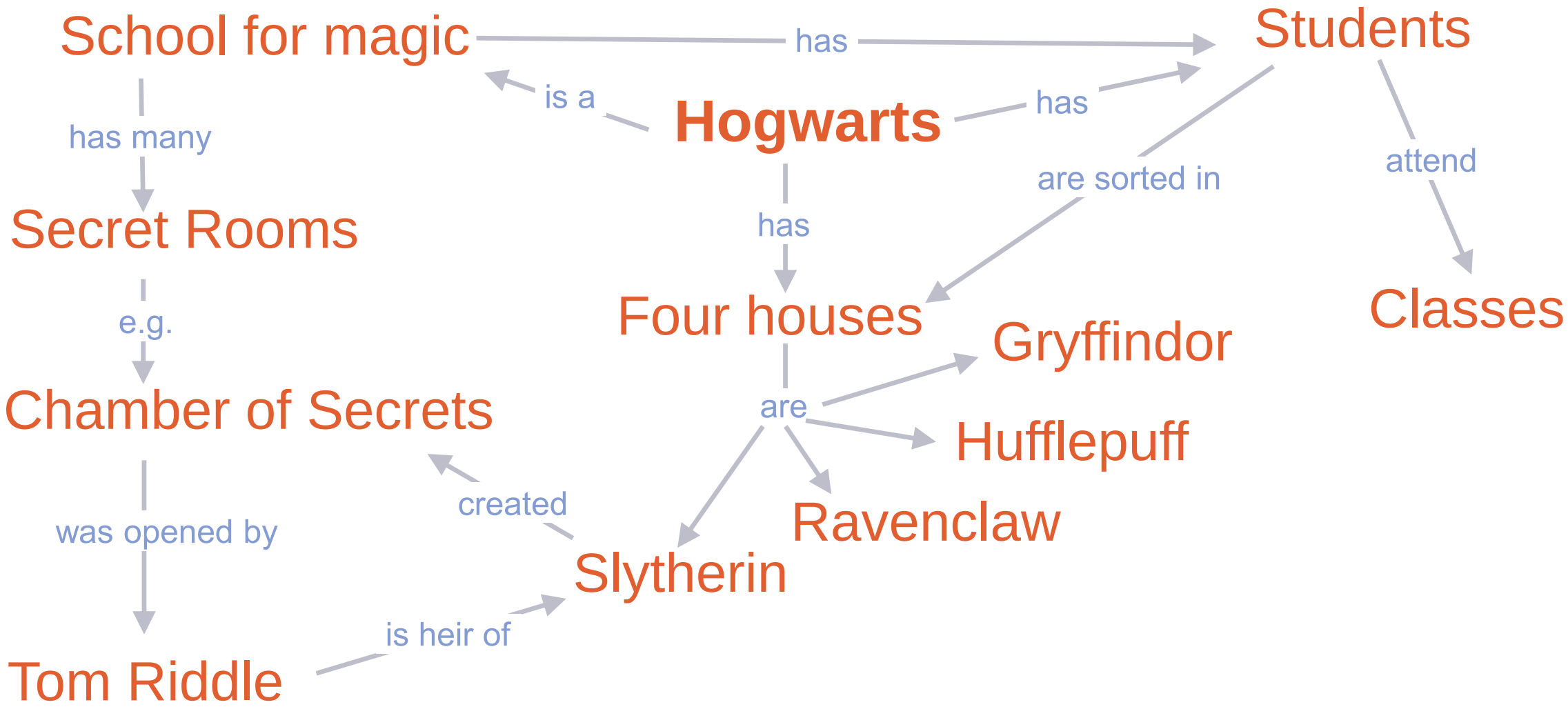

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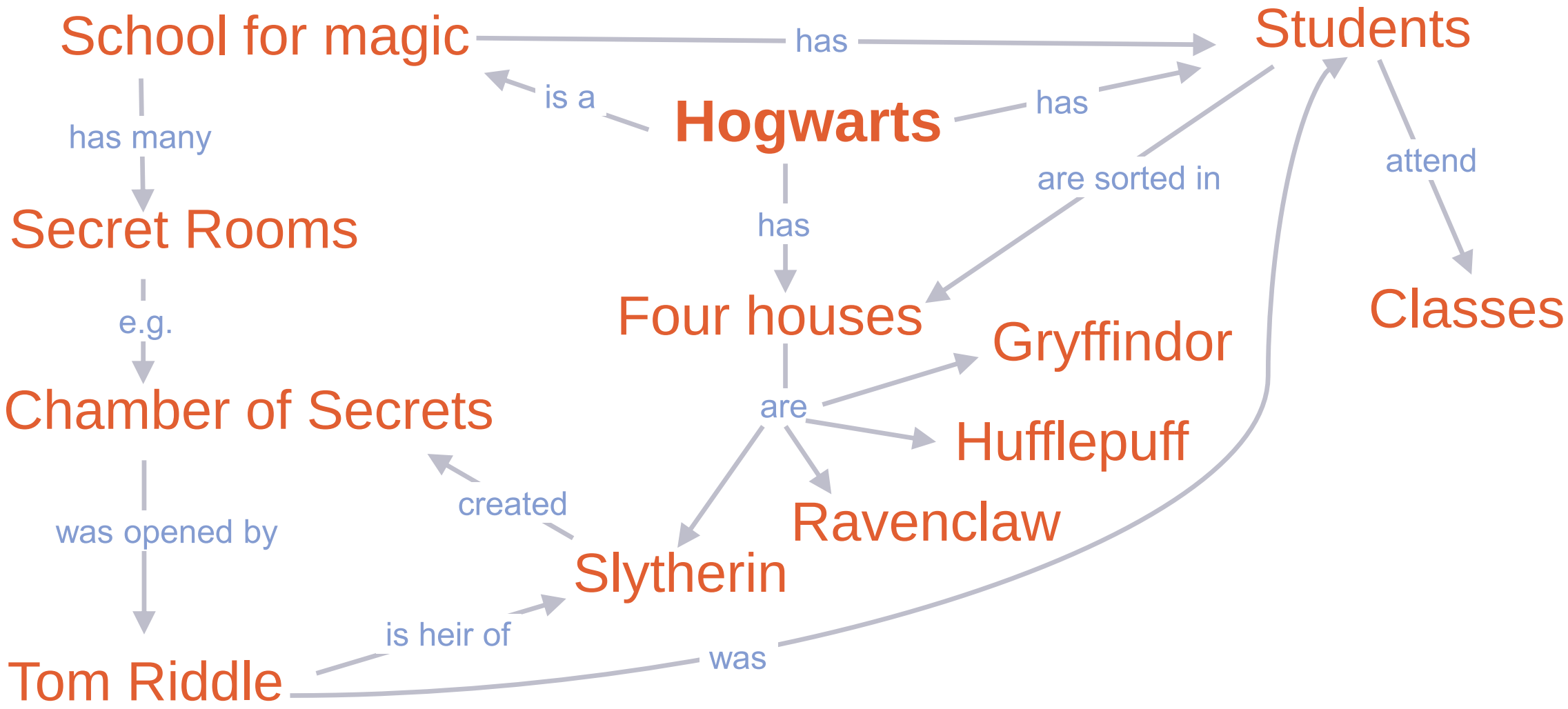

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SECRET TIP !!!

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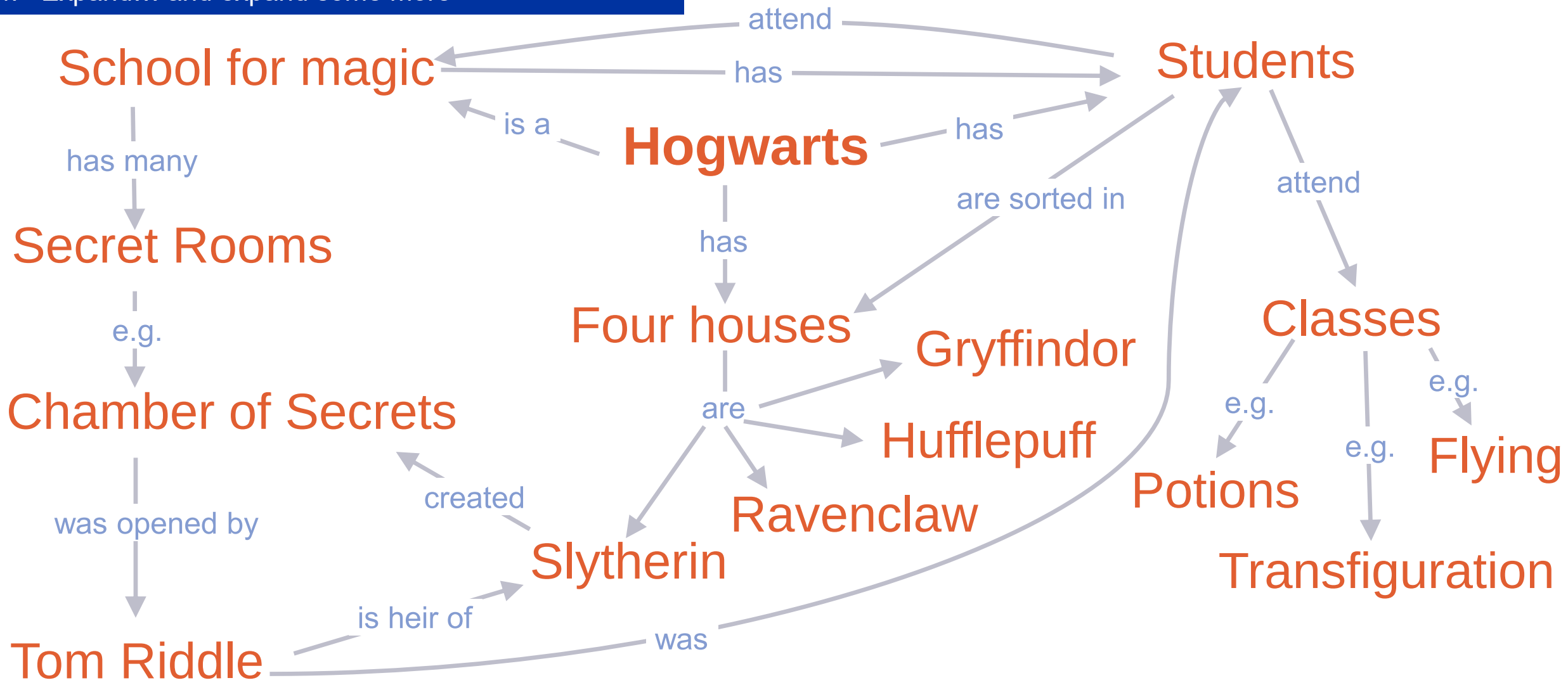
SECRET TIP !!!



We need your help!

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Before you start, please answer the three questions

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Before you start, please answer the three questions on the top right.

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Before you start, please answer the three questions on the top right.

1. PERSONAL CODE		
First letter of **your** first name	(e.g. Colin = C)	
Second letter of your **mother's** first name	(e.g. Kathy = A)	
Third letter of your **mother's** first name	(e.g. Kathy = T)	
Last digit of **your** year of birth	(e.g. 1964 = 4)	

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2. How would you rate your English skills?		
	Not so good	
	Good	
	Excellent	

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	Good	
	Excellent	

3. Have you known about concept maps before today?	Yes, I used them.	
	Yes, I heard about them.	
	No, I never heard about them.	

What would you like your students to know about particle physics and CERN?

What would you like your students to know about PARTICLE PHYSICS and CERN?

Antimatter
CERN
Computing facilities
Cosmology
Engineering
Experimental particle physics
Fundamental questions
General public
Human knowledge and curiosity
Intergovernmental organisation
Matter
International collaboration
Observations
Particle accelerators
Particle detectors
Particle physics
Personnel
Predictions
Standard model of particle physics
Theoretical particle physics

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1. Stop and think about the focus question

What would you like your students to know about particle physics and CERN?

1. Stop and think about the focus question

What would you like your students to know about particle physics and CERN?

1. Stop and think about the focus question
2. Chose your starting concept

What would you like your students to know about particle physics and CERN?

1. Stop and think about the focus question
2. Chose your starting concept
3. Then chose 2 – 5 key concepts to start your map

What would you like your students to know about particle physics and CERN?

1. Stop and think about the focus question
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3. Then chose 2 – 5 key concepts to start your map
4. Connect concepts with arrowed lines and linking words

What would you like your students to know about particle physics and CERN?

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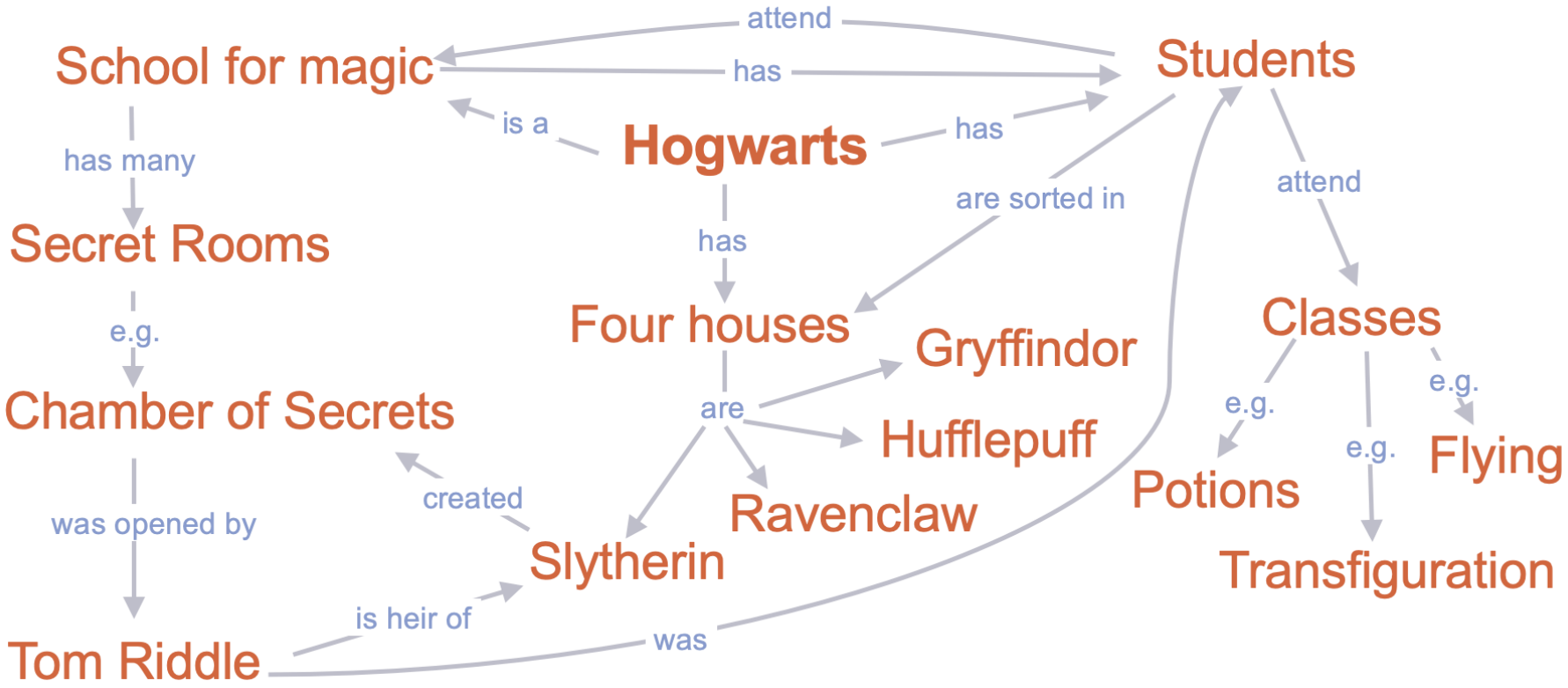

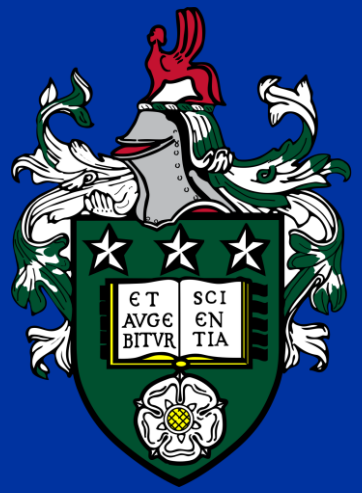

Thank you for your participation!

milena.vujanovic@cern.ch