



Concept Maps

International Teacher Weeks Programme 2023

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Concept Maps

- Graphic Organiser
- Needs to answer the focus question
- Consists of **Key Concepts** and **Linking words**



Hierarchy of CERNre!!!

The diagram illustrates the components of a concept map. Two orange ovals, labeled 'Key Concepts' and 'Linking words', are positioned above the text 'Hierarchy of CERNre!!!'. Four orange arrows originate from the bottom of these ovals and point towards the text, indicating that both key concepts and linking words are used to define the hierarchy.

Why do we do this?

- It is beneficial to you because:
 - it will help you organise your knoweldge!
- It is beneficial to me because:
 - more data for my PhD! 😊

Constructing Concept Maps

1. Focus question  What do you know about Hogwarts?
2. Stop and think  Chose a starting concept and
2 – 5 key concepts

School for magic

Hogwarts

Students



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

School for magic

Hogwarts

Students



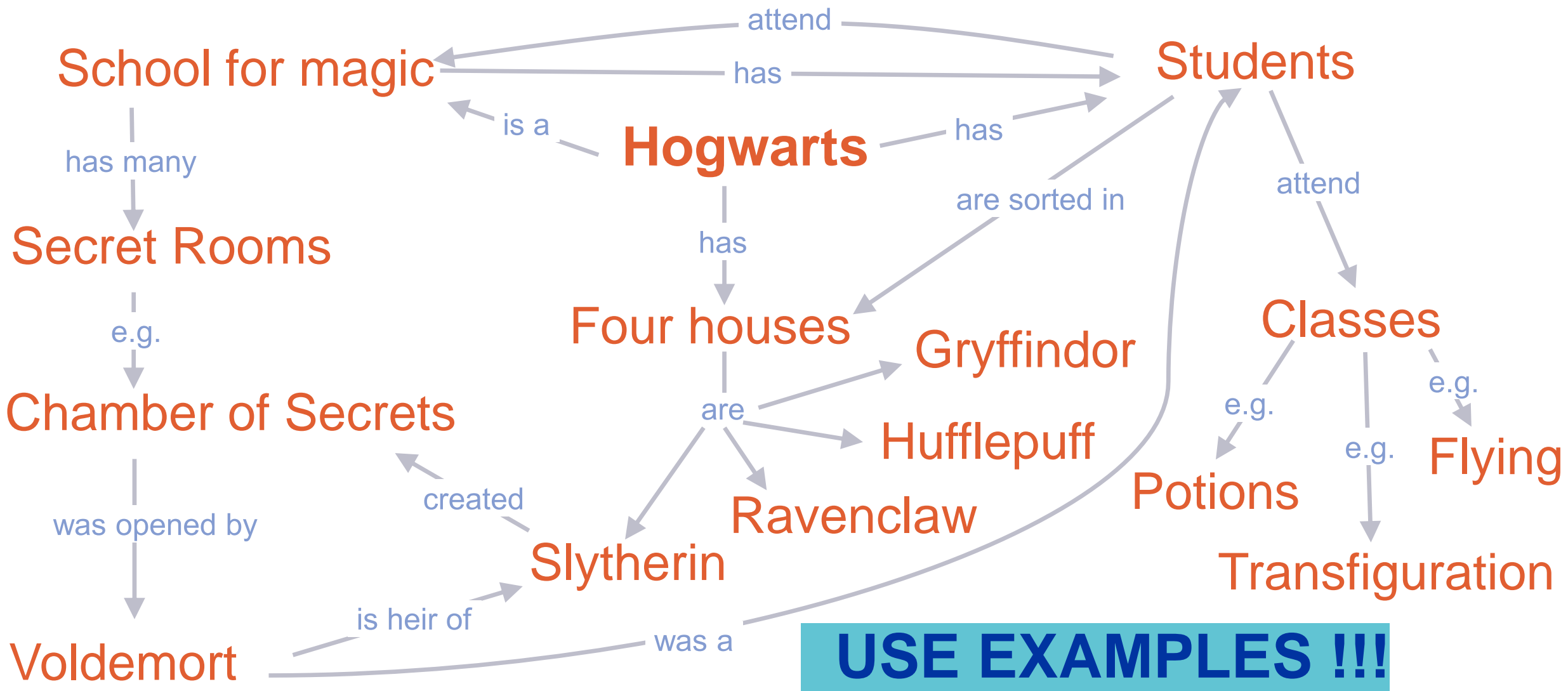
- 1. What do you know about Hogwarts?
- 2. 2-5 key concepts
- 3. Link and use ARROWS and LINKING WORDS !!!



VERY IMPORTANT!

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

SECRET TIP !!!



USE EXAMPLES !!!

Now, it is your turn!

1. PERSONAL CODE	
First letter of your first name	(e.g. Colin = C)
Second letter of your mother's name	(e.g. Kathy = A)
Third letter of your mother's name	(e.g. Kathy = T)
Last digit of your year of birth	(e.g. 1963 = 3)

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

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
4. Connect concepts with arrowed lines and linking words
5. Expand

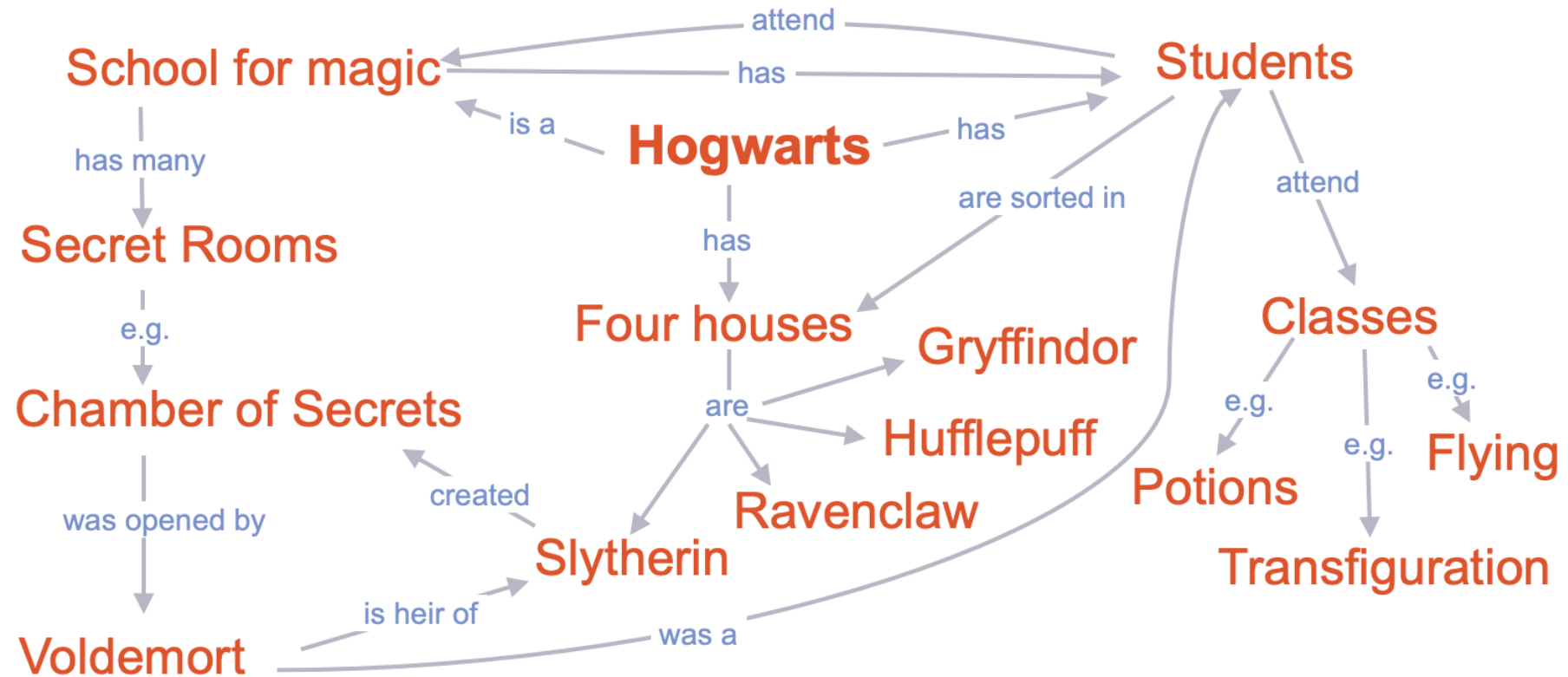
➤ 15 minutes

QUESTIONS?

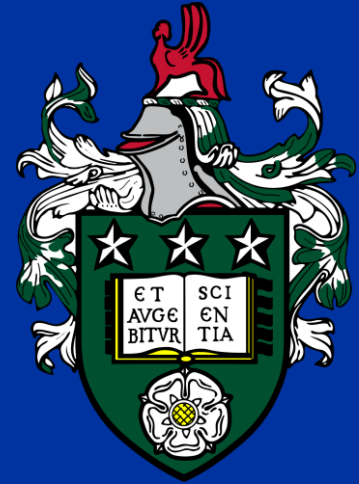
Time to write the code!

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Pens down!
Let's talk! 😊



Thank you for your participation!