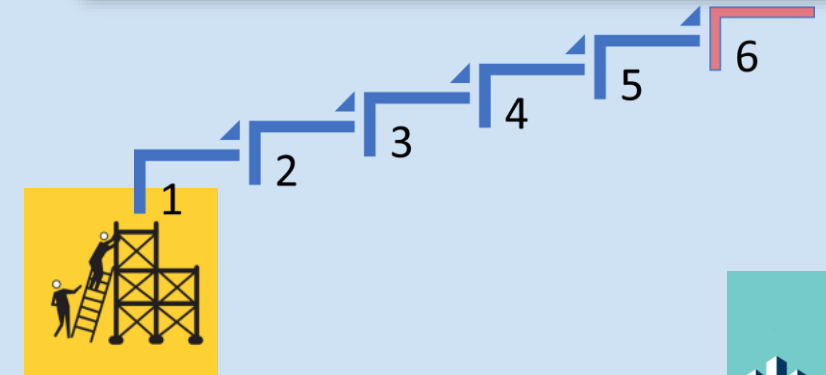


Module 3: Sequencing/integrating GIS into the curriculum

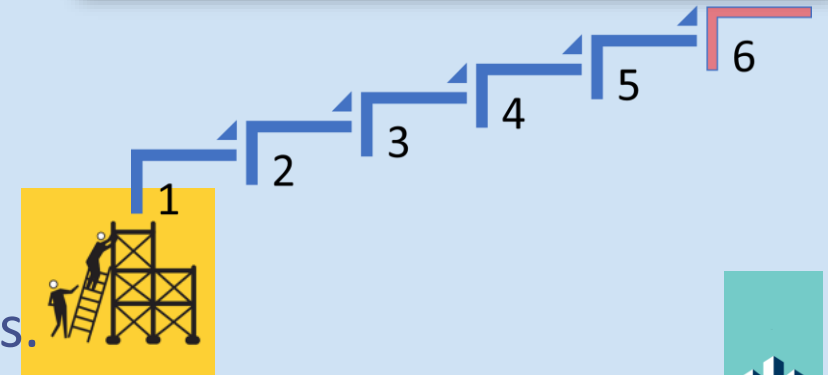
2) Sequencing GIS into the English Curriculum



Module 3: Sequencing/integrating GIS into the curriculum

Introduction

- What does **curriculum sequencing** mean?
- **How can we integrate GIS** into the curriculum to:
 - to create a **sense of place**
 - develop **locational knowledge?**
 - sequencing examples from the English + Spanish curriculums.

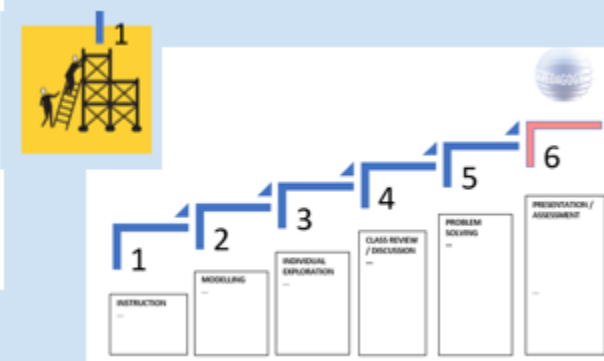
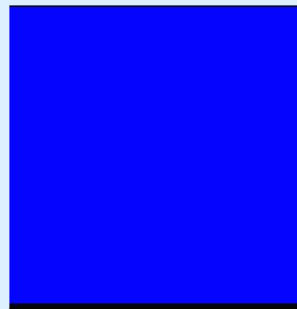


Sequencing the integration of GIS into the curriculum

Gi Pedagogy:
Concept
Cube



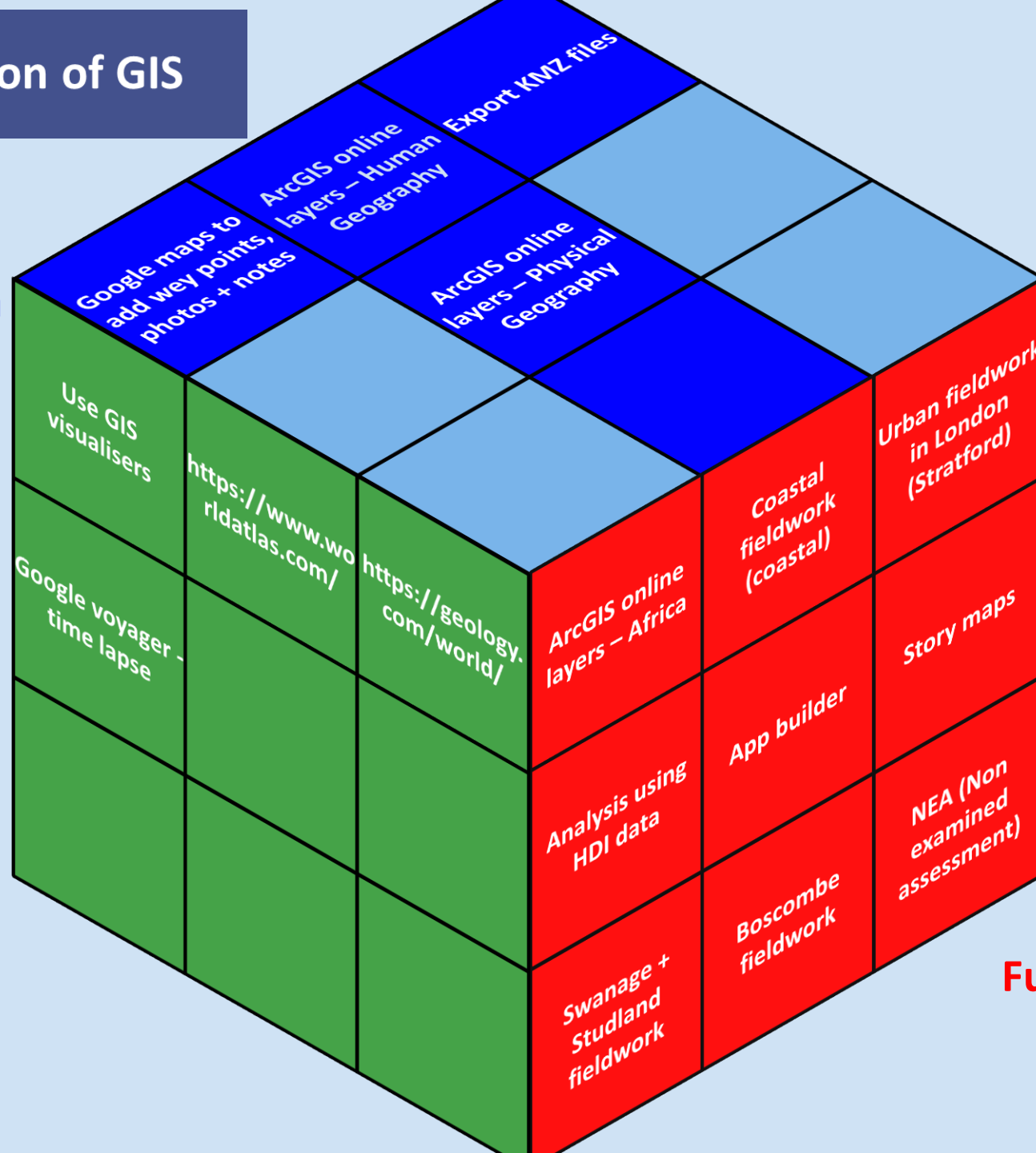
Working memory:
Current learning schema



Sequencing the integration of GIS

Working memory:
Current learning schema

Long-term memory:
Prior learning schema



Long-term memory:
Future learning schema



Sequencing the integration of GIS into the curriculum



Title:	Working memory: Current learning schema
Write key concept here:	
1	Google maps to add way points, photos + notes
2	Export KMZ files
3	ArcGIS online layers – Physical Geography
4	ArcGIS online layers – Human Geography

	Long-term memory: Prior learning schema
1	Use GIS visualisers
2	https://www.worldatlas.com/
3	https://geology.com/world/
4	Google voyager - time lapse
5	
6	
7	

	Long-term memory: Future learning schema
1	ArcGIS online layers – Africa
2	Coastal fieldwork (Flatford Mill)
3	Urban fieldwork in London (Stratford)
4	Analysis using HDI data
5	App builder
6	Story maps
7	Swanage + Studland fieldwork
8	Boscombe fieldwork
9	NEA (Non examined assessment)



English Curriculum: Year 7-9



Identify opportunities for teaching with GIS in YOUR curriculum

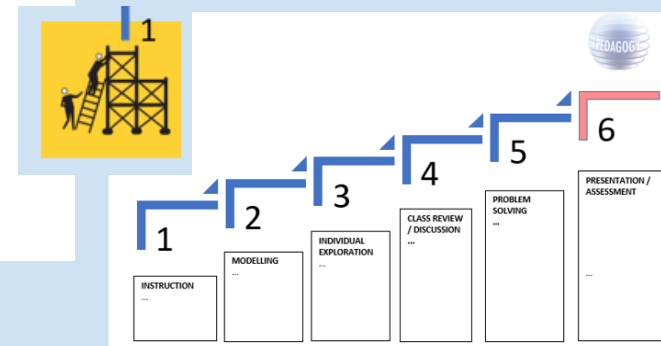


English Curriculum: GIS Sequencing



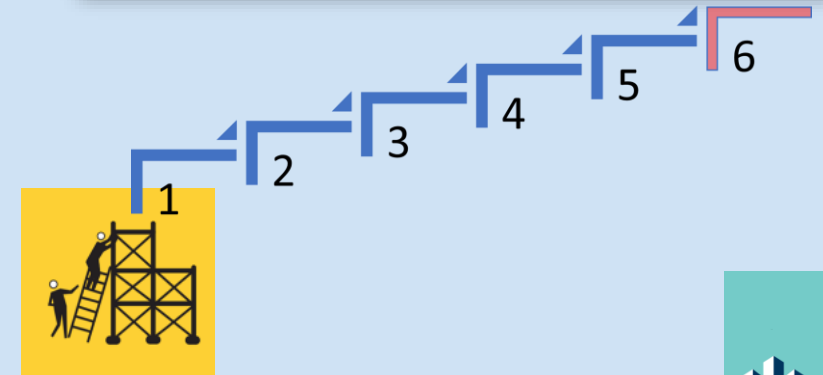
GI PEDAGOGY

Geography visualiser	Step 1: Instruction			1.1) World Atlas
	Step 2: Modelling			1.2) World Political, Physical, State and Country Maps
	Step 3: Individual Exploration			
	Step 4: Class review/discussion			
Google my maps:	Step 1: Instruction			1.3) 1) Yr 7 - Passport Google my maps - add own photos + info
	Step 2: Modelling	Year 7 - location Passport		1.4) 2) Yr 7 Passport pic google kmz - ArcGIS layer add own info to webmap
ArcGIS online:	Step 1: Instruction			GIS layers 1) Physical Landscapes of the world (Gi Ped) SW
	Step 2: Modelling			2) Human Geography world map (GiPed) SW
	Step 3: Individual Exploration			3) Urbanization in Africa (Yr 8) (Gi Ped) SW
	Step 4: Class review/discussion			
Google my maps:	Step 4: Class review/discussion	Fieldwork: Seaford (Coasts)		1) Yr 7 Google passport map (SW) - photo + notes (k web map/ layers)
	Step 5: Problem Solving	(Flatford) link to socioeconomic data		
ArcGIS online:	Step 1: Instruction	Fieldwork survey 123		2) Fieldwork survey data (Flatford + London) Gi Ped (SW)
	Step 2: Modelling	Stratford urban		
	Step 3: Individual Exploration	link to socioeconomic data		
	Step 4: Class review/discussion	link own data a contest HDI etc..		
	Step 5: Problem Solving			



Module 3: Sequencing/integrating GIS into the curriculum

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University
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