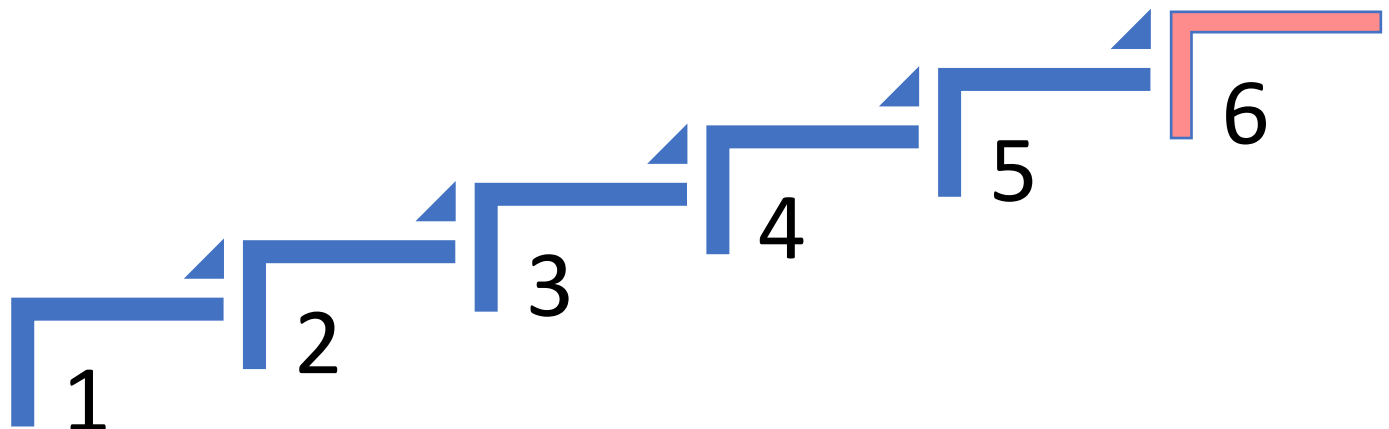




Gi Pedagogy: Steps



Step 1: Direct instruction / teacher facilitated stage - this is where schema building begins. Present new material.


Step 2: Modelling / Scaffolding, with review and questioning – what data are needed?

Step 3: Individual exploration

Step 4: Review - discussion

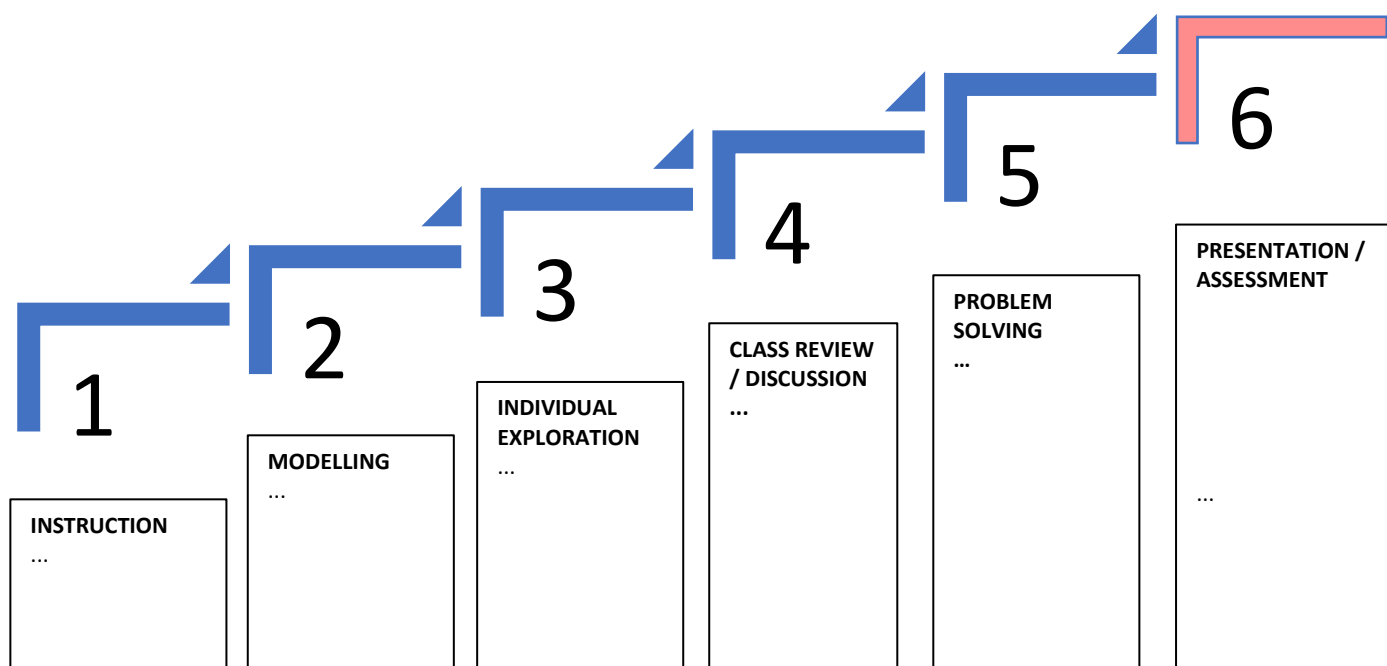
Step 5: Problem-solving

Step 6: Presentation/Assessment (Peer assessment possible too) and sharing of outcomes. This will also be the stage where students may feel secure enough to start their own exploration.

 = checking understanding

Technical competency Levels (L1-5):
L1: Virtual globe
L2: Add own information + images to virtual globe (Ltd)
L3: Working with layers
L4: Add this data as a KMZ file to Arc GIS layers
L5: Use more layers + collect own data





Steps progress to enquiry and problem-solving skills

L1						
L2						
L3						
L4						
L5						

Technical competency Level (L1-5):

L1: Virtual globe/ visualiser (Worldatlas.com, Google earth)

L2: Add own data to visualiser (Google My Maps), Digimap annotations.

L3: Working with layers – select and combine (Physical and Human World) Digimaps, Esri

L4: Working with layers – add your own data from Google My Maps as a KMZ file, annotations, photos (Digimaps, Esri)

L5: Working with more layers collect own data, create your own layers - Esri