***Presentation of Mind Map Jigsaw***

1. Establish base groups. The groups will split up as follows:
   1. Development of solutions for beach recession problem.
   2. Sign-up for Mindomo and create group mind map.
   3. Preparations for group presentations including emailing teacher.
   4. (If there are 4 members) Join A Group.
2. Move to expert groups:
   1. Expert papers will be distributed to A,B, and C Group members.
   2. Each member will take turns reading sections of the paper.
   3. Discuss how members will teach their members the information.
3. Move back to base group. Share learning’s and critical Pieces of information.
   1. Complete the Mindomo mind map with revisions and final solution.
   2. Email a link to the teacher.
   3. Present the final mind map and idea to the class.

**GROUP A: Development of solutions for beach recession problem**

* Your group is responsible for teaching your group how to come up with ideas to solve the beach recession problem.
* Make sure your group uses original ideas crafted from current typical solutions such as breakwaters, jetties, and groynes (groins).
* The following is an excerpt from Wikipedia.com[[1]](#footnote-0) that can help your group focus their thoughts and solutions:
  + “A groyne (groin in the United States) is a rigid [hydraulic structure](http://en.wikipedia.org/wiki/Hydraulic_structure) built from an ocean shore (in [coastal engineering](http://en.wikipedia.org/wiki/Coastal_engineering)) or from a bank (in rivers) that interrupts water flow and limits the movement of [sediment](http://en.wikipedia.org/wiki/Sediment). In the ocean, groynes create beaches, or prevent them being washed away by [longshore drift](http://en.wikipedia.org/wiki/Longshore_drift). In a river, groynes prevent [erosion](http://en.wikipedia.org/wiki/Erosion) and ice-jamming, which in turn aids navigation. Ocean groynes run generally perpendicular to the shore, extending from the upper [foreshore](http://en.wikipedia.org/wiki/Foreshore) or [beach](http://en.wikipedia.org/wiki/Beach) into the [water](http://en.wikipedia.org/wiki/Water). All of a groyne may be under water, in which case it is a submerged groyne. The areas between groups of groynes are groyne fields. Groynes are generally made of wood, concrete, or rock piles, and placed in groups. They are often used in tandem with [seawalls](http://en.wikipedia.org/wiki/Seawall). Groynes, however, may cause a shoreline to be perceived as unnatural.”
* After **each** of your group member comes up with an idea, use the mind map to refine and develop the ideas further.
* Your group will choose **one** idea they think is the best to present to the class.

**Group B: Sign-up for Mindomo and create mind maps**

* Your group is responsible for helping each of your group members to sign up within the Mindomo online mind mapping software.
* To help them sign up have them follow these simple steps:
  + Go to mindomo.com
  + Enter names and email addresses.
    - Make sure the email address can be accessed now so that you can verify the address quickly.
  + Verify the information from your email so that you can create the account.
  + Login to your newly created Mindomo account.
* Help your group to create a new mind map with a customized name to identify each member of your team.
  + Click CREATE button at top left
  + Name the mind map with your group members’ names.
* Use this as an example to show your group how to create your new mind map.
  + <http://www.mindomo.com/mindmap/2bde402090bc4727be4e9919138fd67a>[[2]](#footnote-1)

**Group C: Preparations for group presentations**

* Your group is responsible for the final step in the presentation process, which is to share your presentation with the teacher.
* To do this follow these steps:
  + Click on the Share button at top right which looks like this:
  + Enter the teacher’s email address which will be written up on the whiteboard in the area that looks like this on your screen:
* When the time comes for your group to present the mind map, one person in your group needs to make sure the projector is set to not show anything on the screen (but don’t turn it off!) Freeze works also!
* One group member needs to login to Mindomo on the teacher computer and open the groups mind map.
* Click on the icon at the top right of the page that looks like this:
* Turn back on the image to the projector (or press the freeze button).
* Present your Mindomo mind map!

1. Excerpt taken from (<http://en.wikipedia.org/wiki/Groyne>) Accessed Nov. 23, 2013 4:48PM [↑](#footnote-ref-0)
2. Taken from “http://www.mindomo.com/mindmap/2bde402090bc4727be4e9919138fd67a” [↑](#footnote-ref-1)