# Worksheet 04 – Top Down vs Bottom Up

Task 1: Research:

<https://www.programmingforbeginnersbook.com/blog/top-down-bottom-up-approaches-to-learning-programming/>

<https://www.researchgate.net/post/In_programming_what_exactly_do_you_mean_by_a_top_down_and_bottom_up_approach>

<https://dzone.com/articles/how-does-top-down-programming-work>

For the following two problems, suggest and document the correct approach for each scenario for them.

* Making dinner
* Creating a new board game

Write at least **two paragraphs** for each.

## Task 2:

The lecture room K128 is looking pretty rubbish. Let’s brighten it up with some posters! We have discussed three different problem solving strategies. You will be randomly assigned one of the three topics:

* Polya
* Top down
* Bottom up

I would like you to produce an infographic on the topic. Define it, pros, cons, compare to other strategies.

The poster should be pretty.

Research infographics. Posters will be printed and displayed on the wall.