

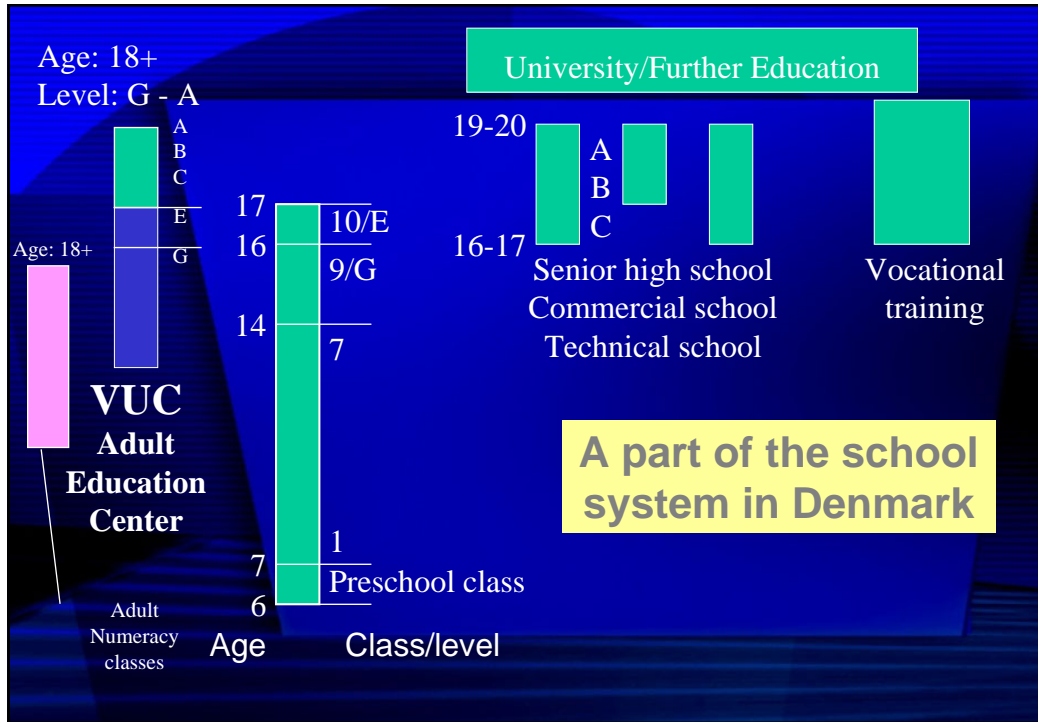
## Flex Ring

- **About the VUC, Danish for "Adult Education Center"**
- **"Flex Ring"**
  - How it works
  - About the materials
  - Q&A & discussion

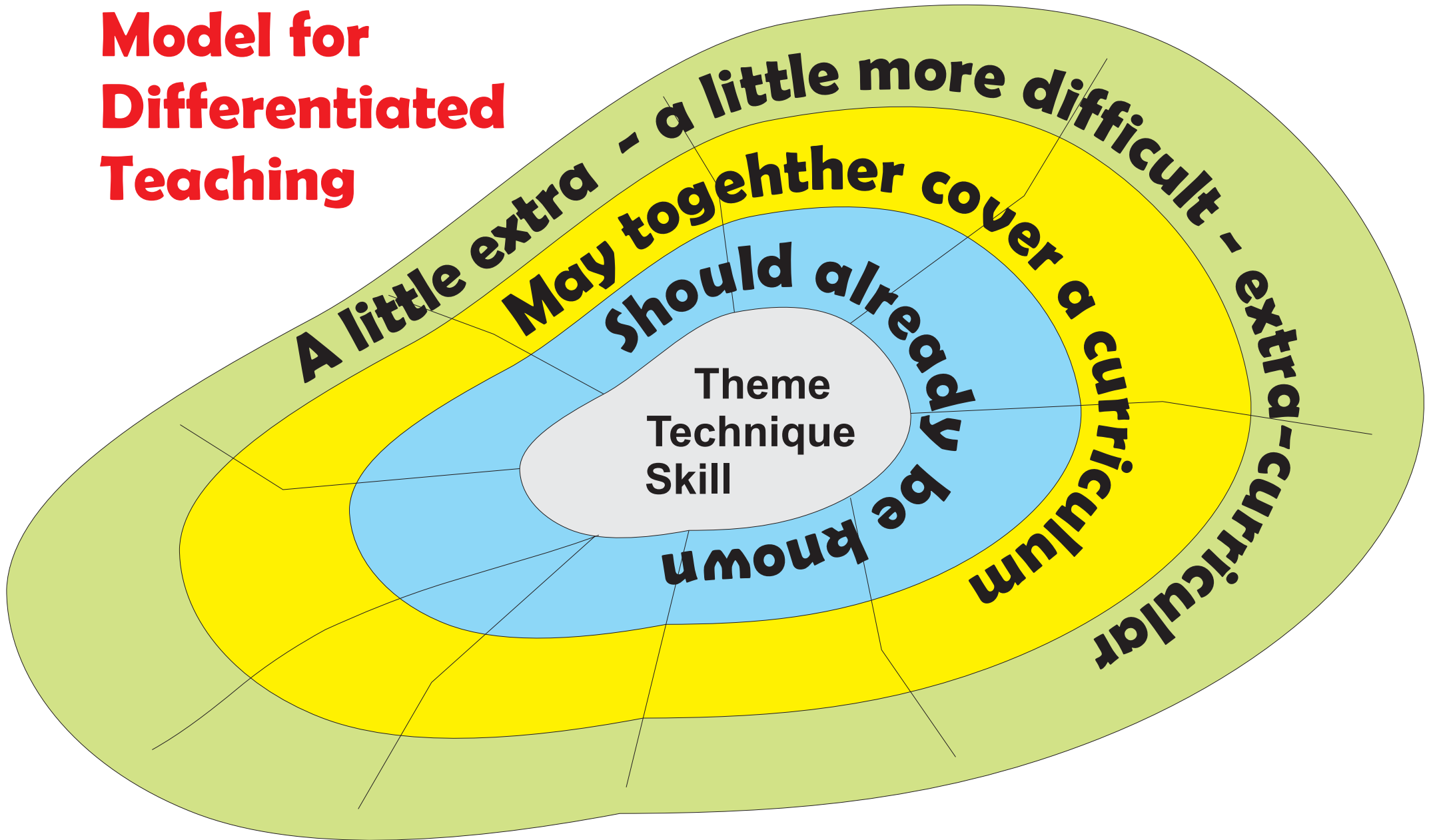
## Eigil Peter Hansen

- **Adult teacher since 1975**
- **Math, Computers and guidance counsellor**
- **Textbook writer**





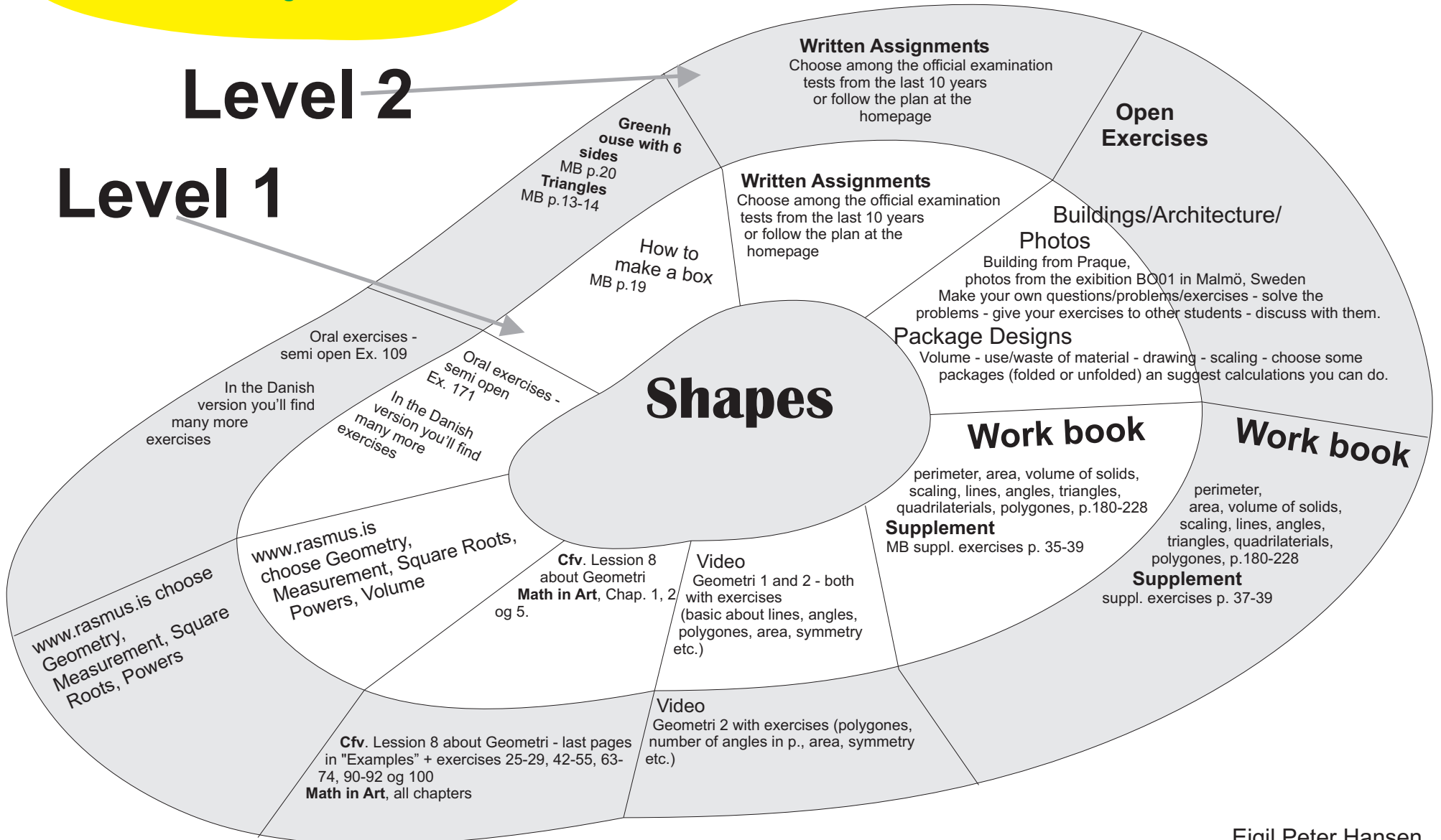
# Model for Differentiated Teaching



Click here if you want to test the required math skills for this theme.  
 You can make the test before or after you have been working with the material.

# An example FLEX RING

**Level 2**  
**Level 1**

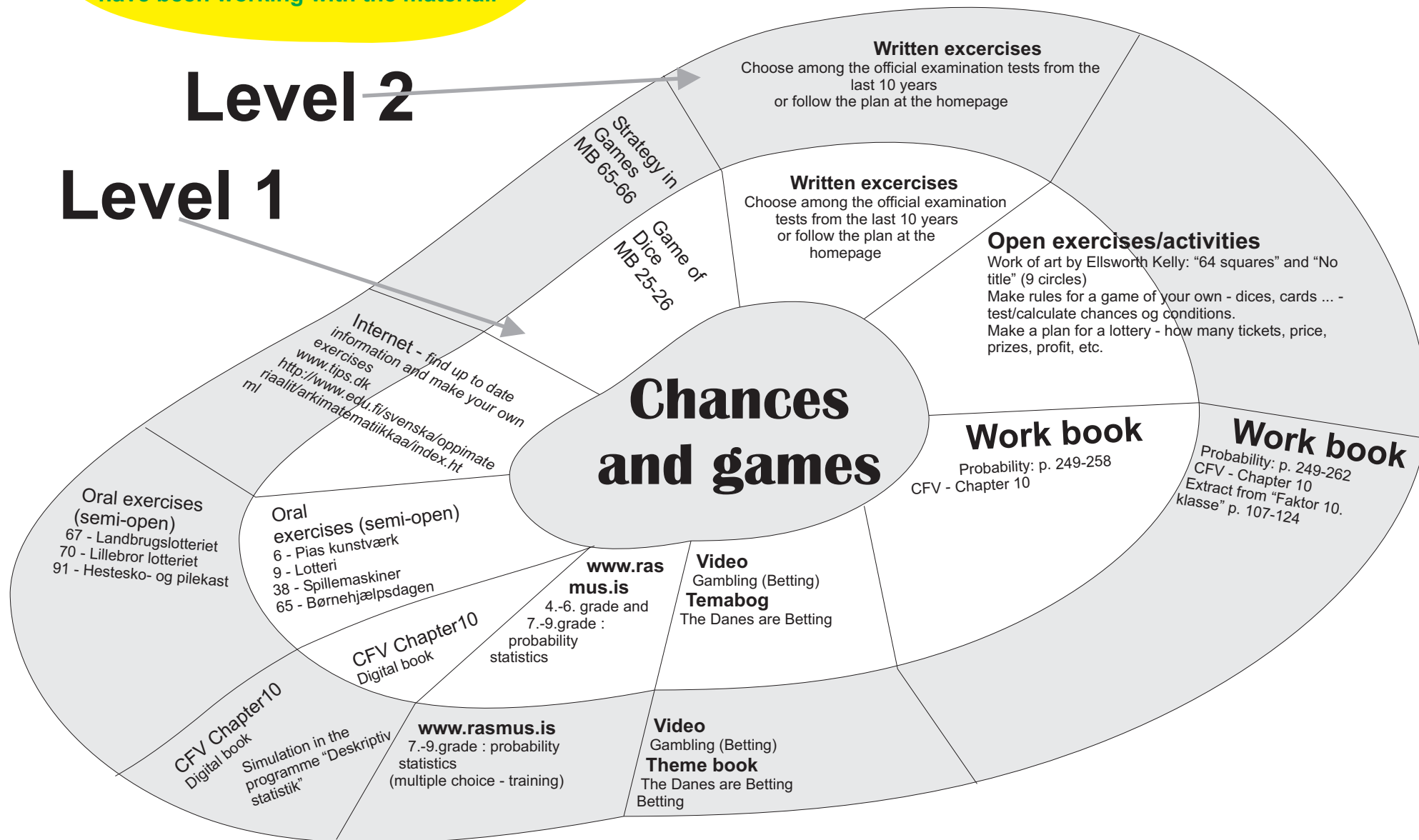


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# Level 2

# Level 1

## Chances and games



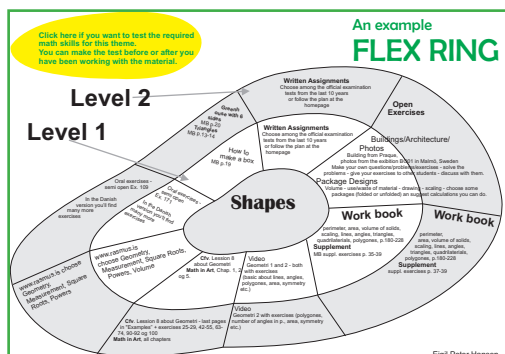


# Flex Ring

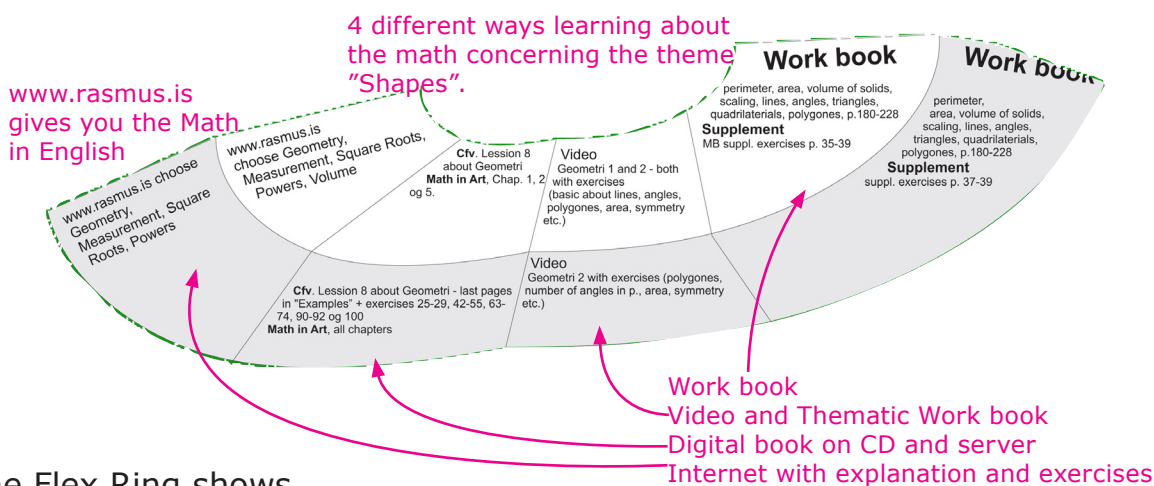
## What's that?

A Flex Ring is a tool to learn something new.

Flex comes from "flexible", and Ring from "ring/circle". Flexible, because the tool gives the opportunity to learn new things with different techniques. Ring, because the tool visually appears as a circle. You could see the ring as a running track with different lanes.



A Flex Ring in Math could consist of a theme from everyday life to which different mathematical techniques naturally belong. While you work with the theme, you learn to use math in these everyday life situations.



The Flex Ring shows possibilities of working with the material and the cases in different ways. Maybe in some situations you prefer to learn using a video with matching exercises. In other situations you might prefer a traditional work book or a training session on the computer.

The Flex Ring suggests different ways to work with the same problems. It means you do not have to work with all the material in the ring.

**Why at all a Flex Ring?**

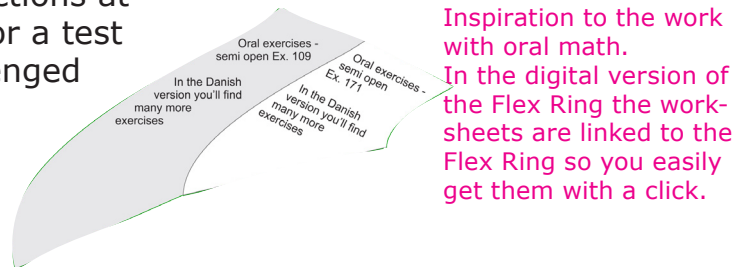
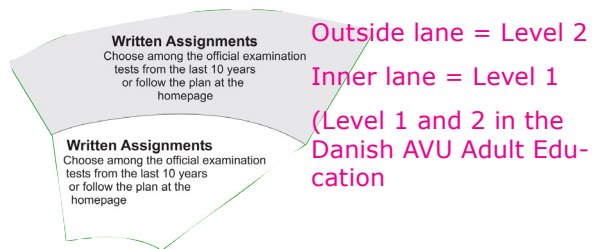
Learning new things it is often experienced that you already has some knowledge about it.

You may find out as you are learning new things that there are bigger gaps of knowledge than you had first anticipated.

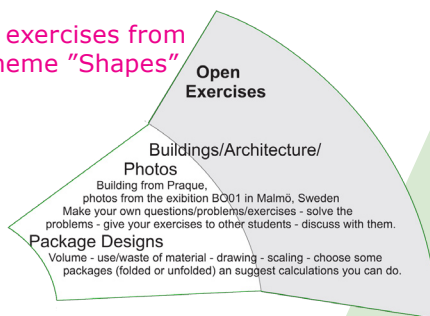
While learning new things you may often find that the new stuff is so interesting and exciting that you are tempted to dig deeper – deeper than the teacher and material might expect.

This is what the Flex Ring tries to help structure.

The Flex Ring shown here has two lanes. The inner ring is level 1, the outer ring level 2. You may choose the lane that fits the test level you want to end with. But you can easily choose from the other lane if you need to. If you are heading for a test at level 2 you might lack some basic math knowledge and you can pick it up through the instructions at level 1. If you are heading for a test at level 1 and you feel challenged in a way that gives you the desire to learn more, then you could move your focus for a while to lane 2.



Open exercises from the theme "Shapes"



## Open exercises

Some of the suggestions lead to open exercises. In an open exercise you decide the scope and the level yourself. It is an important aspect. Here one really senses how math can be applied in everyday life.

## Check before and/or after a theme

In the digital version of the Flex Ring you find an active link to a test. You can take the test before you start working with the theme or you can take the test after. One of the themes "Shapes and figures" has much geometry. If you feel on top of geometry, you may have a go at the exercises right away.

Click here if you want to test the required math skills for this theme.  
You can make the test before or after you have been working with the material.

Once you have finished a theme, it might be a good idea to consult the specific exercises found in the active link.