

Math Art Corner – project 1

1. Circles, circles, circles, ...①①



Students' age: 10 years old student, first month in the new school , grade 5

Subject: It is an afternoon club, each week 70 min. ,
Club is called Math and Art – digital and with paper, ruler and compass

Project idea: Artwork on coured paper with circles that have different radii of
Fibonacci sequence

Start of the project: I would like to combine math (Fibonacci sequence, geometry with art).
Fibonacci sequence is well-known because we have this tower with the
numbers of the sequence on it in our town.

Students have got the worksheet (page 3), talked about it and answered the questions. I explained them that the picture no. 6 has been created by the famous artist Piet Mondrian. From lessons in elementary school they know that the basic colours are red, yellow and blue that cannot be generated by mixing up other colours. After that explanation the project idea was obvious: cutting out circles of 1,2,3,5,8 cm radius in 3 different colours and combining them on a white paper format Din A3.

The students will write in German about their ideas how to create their piece of art, what they have found out about Piet Mondrian and the rule how to continue the Fibonnaci sequence. As they have started only 3 weeks before with English, it will be up to me to translate their texts it in English.

At the end of this project we will take pictures, exhibit the original work in a corner of our school hall. Students will draft a powerpoint for the TS.



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