SPIRALS BY Mblock Based on Scratch

Teacher Norma Lisa Neiman (IT)

SPIRALS BY Mblock Based on Scratch

LESSON PLAN: 9th grade Students - 13-14 years old

SUBJECT: embedding coding triangles properties to art.

LESSON IDEA Equilateral triangle Art

http://eisforexplore.blogspot.com/2013/04/spiral-triangles.html

given by Monika Monika Schwarze

and past lesson plan spiral by construction

AIMS:

- Development Environment Mblock Based on Scratch cross curriculum with IT
- Coding by blocks
- Iteration
- Cartesian plane
- Reasoning on equilateral triangles
- Reasoning on the Pythagorean Theorem
- Using properties of equilateral triangles
- Investigating on the angles in rotation and motion
- Using properties of equilateral triangles to create an art outcome

PROCESS:

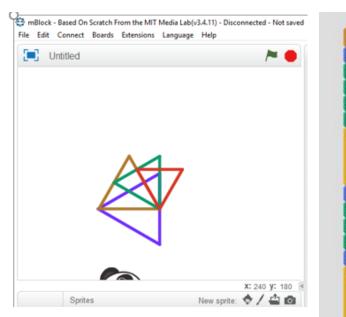
- 1. We investigated the Development Environment Mblock based on Scratch
- 2. We programmed coding by blocks and using scripts from Event, Motion, Pen and Control after reasoning on the cartesian plot, concept af angles and motion, segments and motion, properties of equilateral triangles, relation between height and side
- 3. We investigated on the iteration repeat
- 4. Coding by block and programming an avatar that moves and designs the equilateral spiral.
- 5. The students uploaded their work on easyclass at the end of their assignment

Video Tutorial – Spiral mBlock BasedonScratch

https://youtu.be/vnwerpXoav4

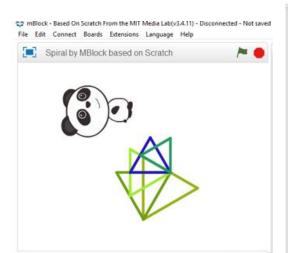
OUTCOMES

Alessandro Barriga

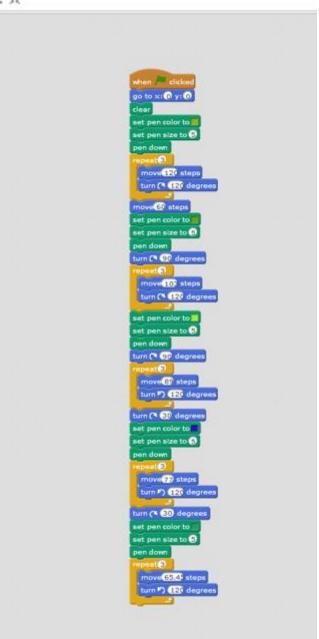




Alexandru Trifan

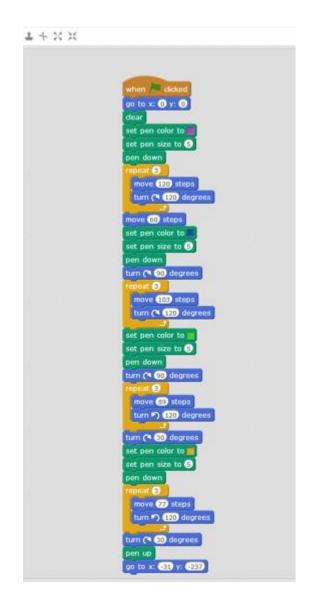


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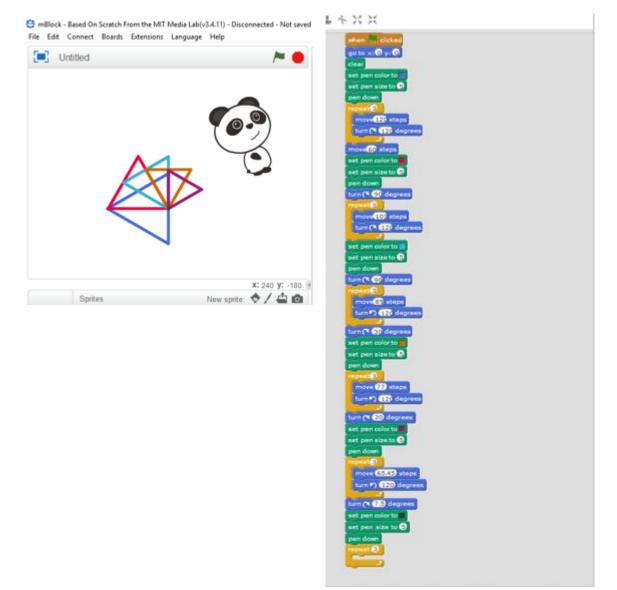


Gabriel Zapata

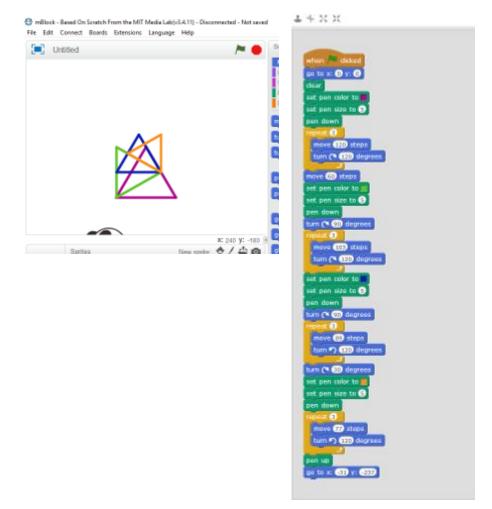




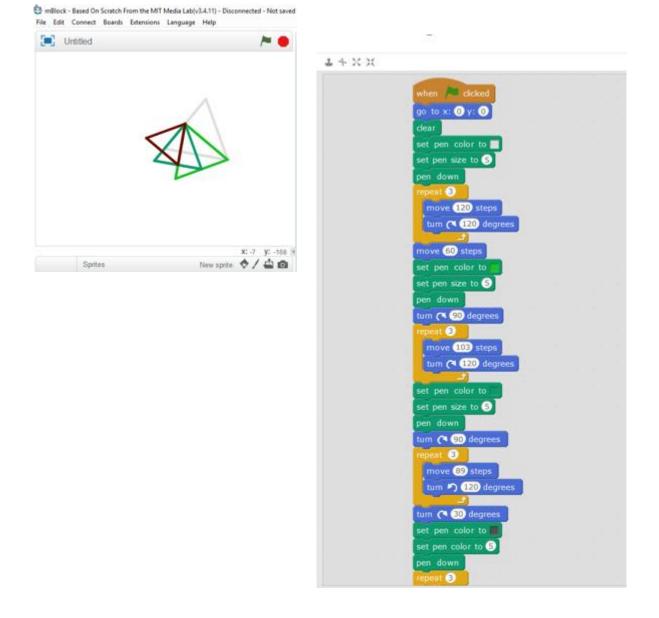
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Francesco Civita

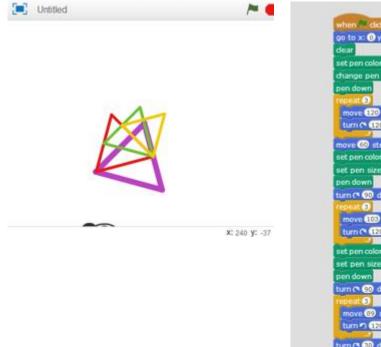


Frank Angeles



Ion Cristian Sitescu

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Gabriele Lazzari

📙 Spiral My block based on Scratch GABRIELE LAZ 🛛 🔎 🏾







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Jacopo Bove

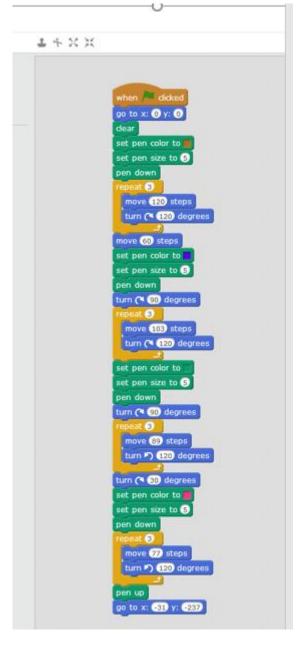
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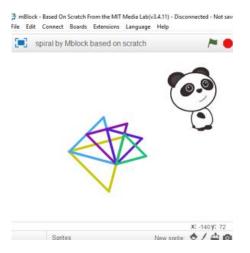
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Josuè Franco

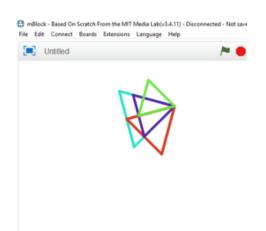


Matteo Minella





De Los Reyes Rhenz Zedrick





Sebastiano Coco

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