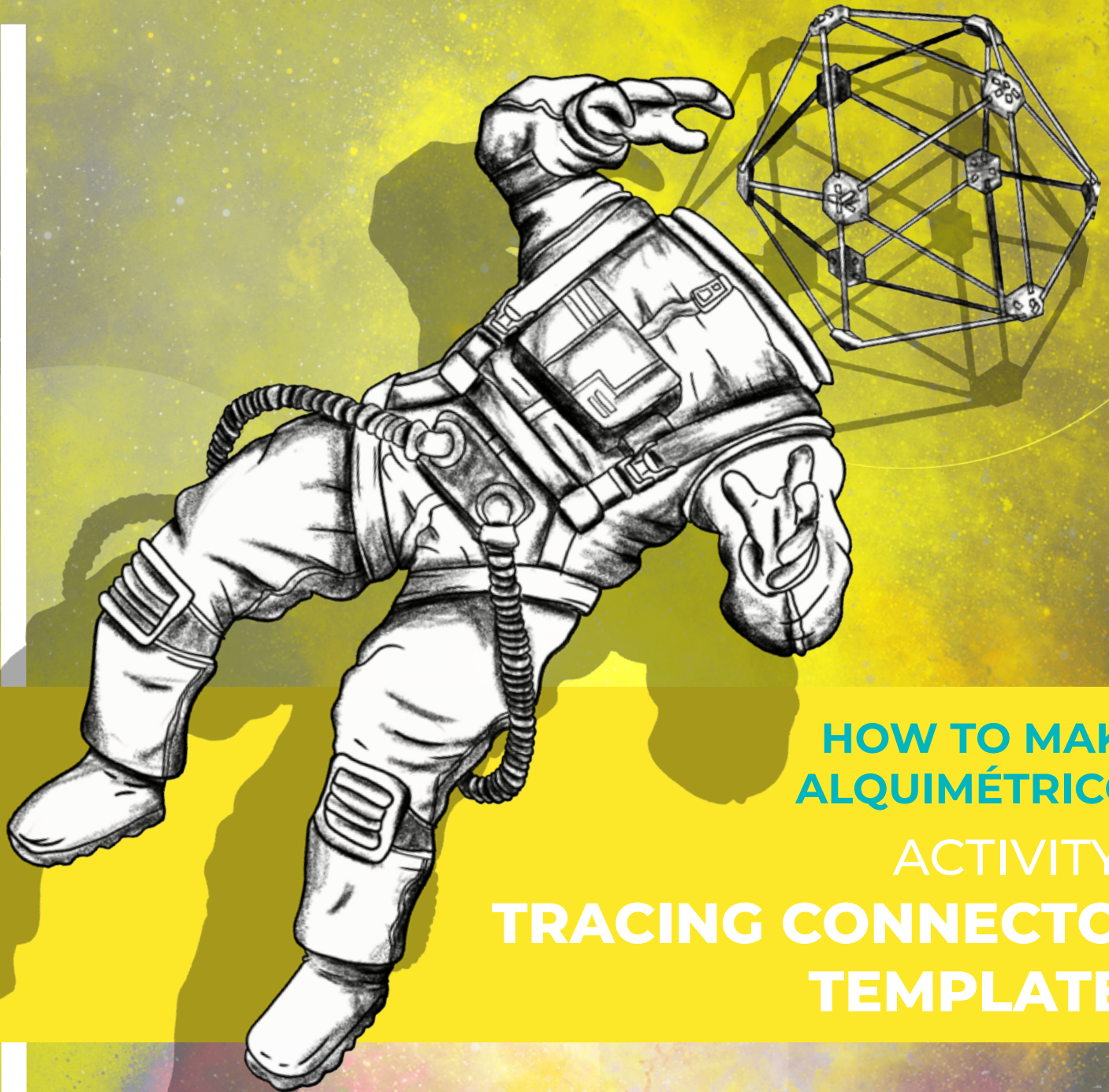


ALQUIMÉTRICOS

DO IT YOURSELF
BUILDING BLOCK TOYS



HOW TO MAKE
ALQUIMÉTRICOS

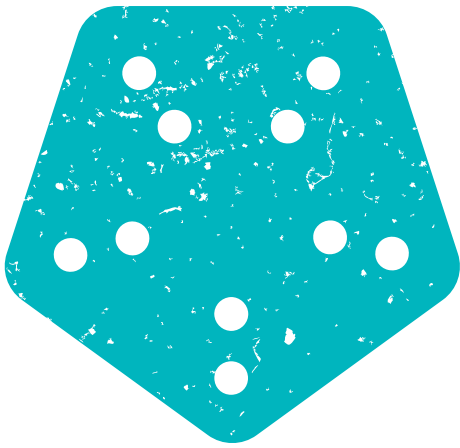
ACTIVITY 1:
**TRACING CONNECTOR
TEMPLATES**

#DIY #STEAM #BUILDINGBLOCKS
#OPEN-SOURCE #OER #CREATIVECOMMONS

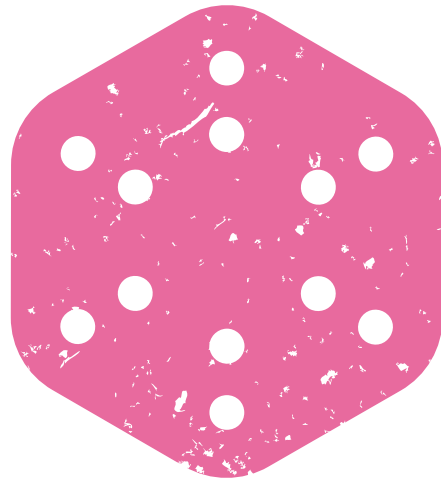
WHAT ARE CONNECTORS?

The connectors link the beams between each other and work as vertexes for our structures. They can be pentagonal, hexagonal, or square, among other options. Each of these shapes allows us to create different kinds of flat and tridimensional structures.

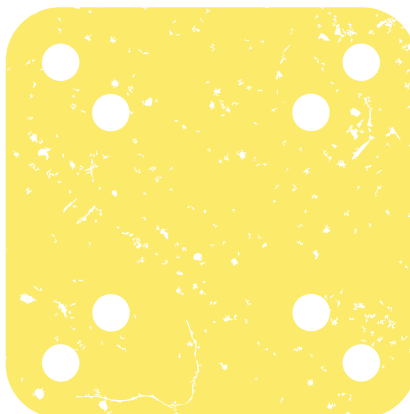
PENTAGONAL



HEXAGONAL



SQUARE



TRACING CONNECTOR TEMPLATES

To make the connectors, first, you need a template, made out of a stronger material, which will be used to replicate the shape of your connector in different materials in an easy way.

YOU WILL NEED

- Cellphone, tablet or computer
- White Paper
- Marker or pen
- Tape

✦ Check previous section for alternative tools and materials

STEP BY STEP



Download the image to your cellphone from www.alquimetricos.com or scan the QR code.



Check the diameter of the shape so it measures approximately 6–7cm.



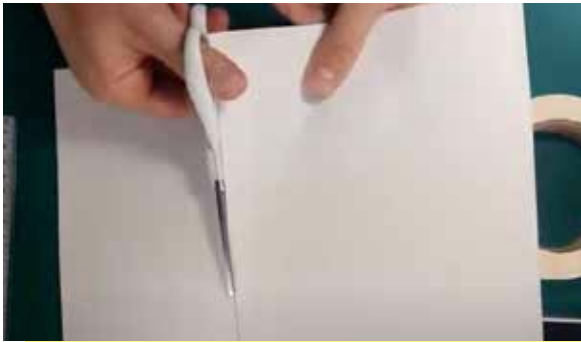
Measure the length of your screen



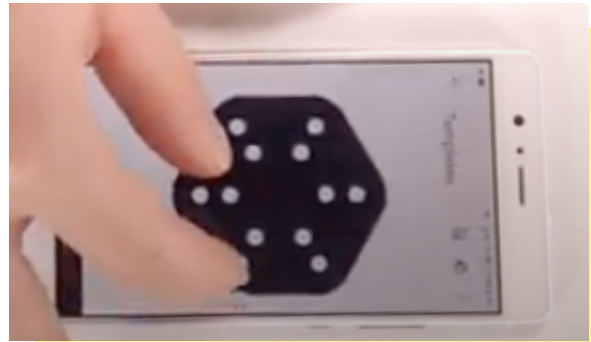
Mark the measurement of your screen on the white paper

TRACING CONNECTOR TEMPLATES

STEP BY STEP (CONT.)



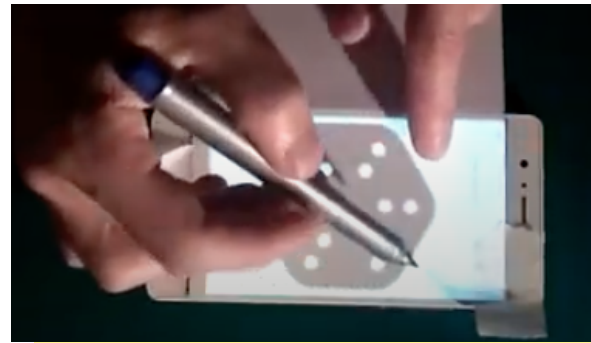
Cut the paper so that it fits the length of your screen



Rise the screen brightness level to the maximum so you get better contrast



Using a piece of tape, fix the white paper over the screen where you see the shape of the connector. Beware not to cover the mic, camera, or light sensor with the tape, otherwise, the device may stop working properly.



Look for a dark place to help you better see through the white paper. Then, trace the image from your device to the paper using a marker. Don't forget to trace the little circles inside as well!

YOU ARE DONE!



SCAN ME



Alquimétricos was founded in 2015 by Fernando Daguanño and soon after it became an international community of makers, educators, visual artists, open-knowledge activists and communicators.

Our mission is to deliver affordable, do-it-yourself (DIY) open educational resources (OERs) focused on science, technology, engineering, arts, and math (STEAM).

Do you want to know more about us:

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📷 @alquimetricos

📘 /alquimétricos

📞 📍 +55 (21) 99395-0382

🔗 <https://wikifactory.com/+alquimetricos>

ACTIVITIES: FERNANDO DAGUANNO
AND TATIANA TABAK

BASED UPON CONTRIBUTIONS FROM
SEBASTIÁN LEONHARDT,
VIVIANE VLADIMIRSCHI, TEL AMIEL
AND WERNER WESTERMANN

DESIGN: TATIANA TABAK

ILLUSTRATION: TATIANA TABAK

ASTRONAUT ILLUSTRATION:

@TARIKRAISS_

BACKGROUND ILLUSTRATION:

@_MENINACANCERIANA

PHOTOS: FERNANDO DAGUANNO

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