Using SMART TECHNOLOGY

for support of creative senior's activities

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1.

General Information

about senior's education in Portugal

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Life expectancy has increased...

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Two different models…

- French Model and English Model

Formal Universities

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Contextualization

The Portuguese adult learning system could be more inclusive

- In this context of changing skills needs, adult learning is becoming increasingly important to help individuals maintain and upgrade their skills throughout their working lives.

- According to the Adult Education Survey (2016), in Portugal 52.0% of adults (25-64) participated in *job-related* formal and non-formal education and training in the year preceding the survey, above the European Union average (47.2%).

- However, Portugal still ranks below the top performing countries (e.g. Austria, the Netherlands, Sweden, where 60% of adults or more train in a given year) and more could be done to make the adult learning system more inclusive. Indeed, only four out of ten low-qualified people train in Portugal in a given year, compared to seven out of ten among the highly qualified. Among older people (ages 55-64) only 39.7% train compared to 60.5% of younger adults (ages 25-34).

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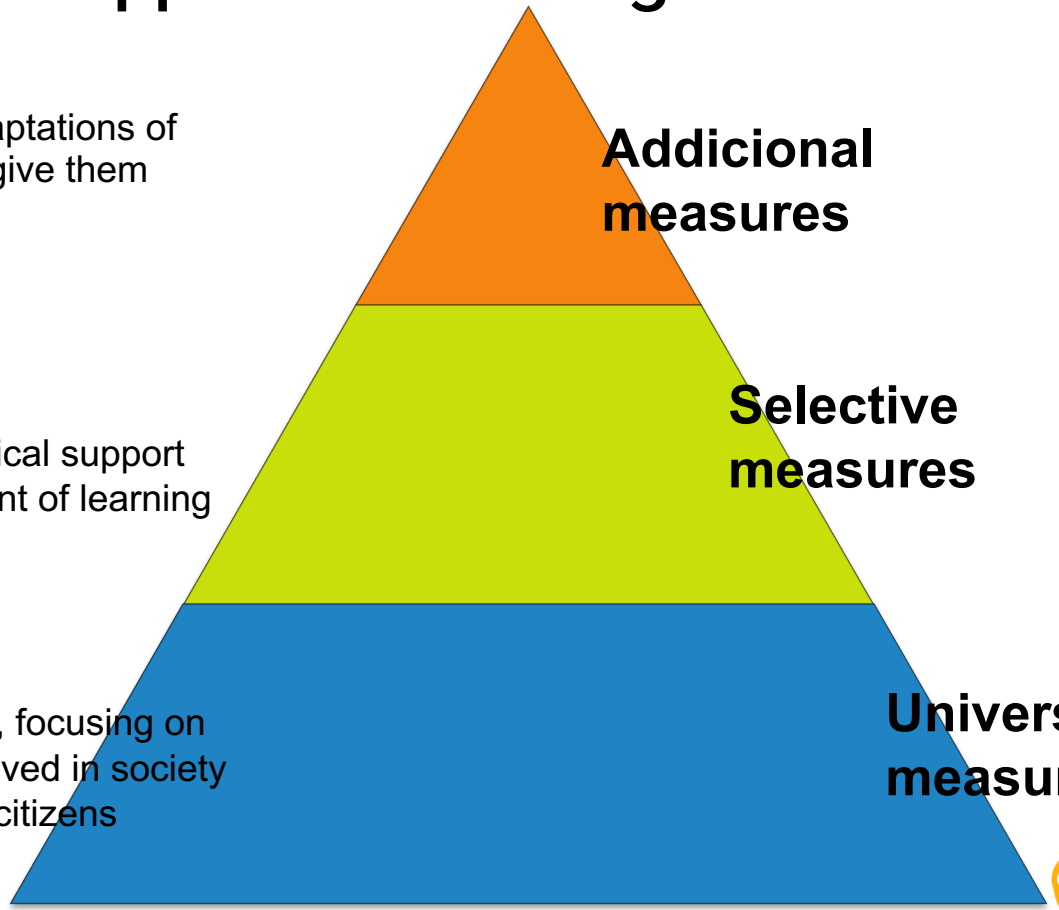
Measures that support the learning skills and inclusion

- Curricular adaptations or adaptations of assessment processes and give them interesting things to do.

- Different curricular courses
- Tutorial and psychopedagogical support
- Anticipation and reinforcement of learning

- Pedagogical differentiation
- Promotion of social behavior, focusing on the importance of being involved in society and actively participating as citizens



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o meu
1º robot!!!
Workshop de Robótica para Universidades Seniores
Aprenda divertidamente a construir e a comandar um carrinho com inteligência própria! Em um dia!
1 DE JUNHO DE 2019- 10.00H/18.00H
EDIFÍCIO STARTUP TORRES NOVAS
EQUIPAS DE 3-4 ELEMENTOS
INSCRIÇÕES: 916 677 933
Organização:
RUTIS
oficina tecnologica.pt
STartUP TORRES NOVAS

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2.

SMART Technology

in senior's education

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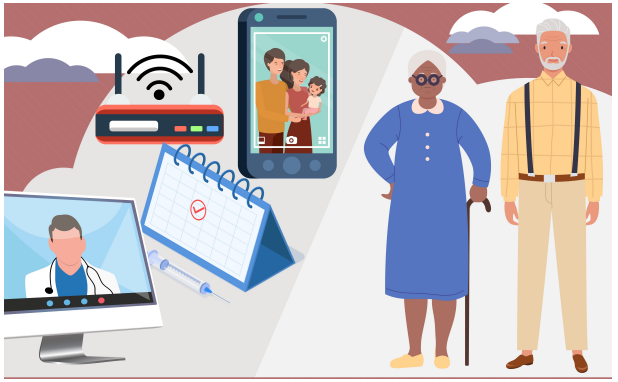
What we do?

- Pratical atividities that promote the use of free Apps, free sites that are user friendly.



- Classes to our elderly students that promote the use of technology

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3.

SMART Technology

as a tool for creative activities for seniors

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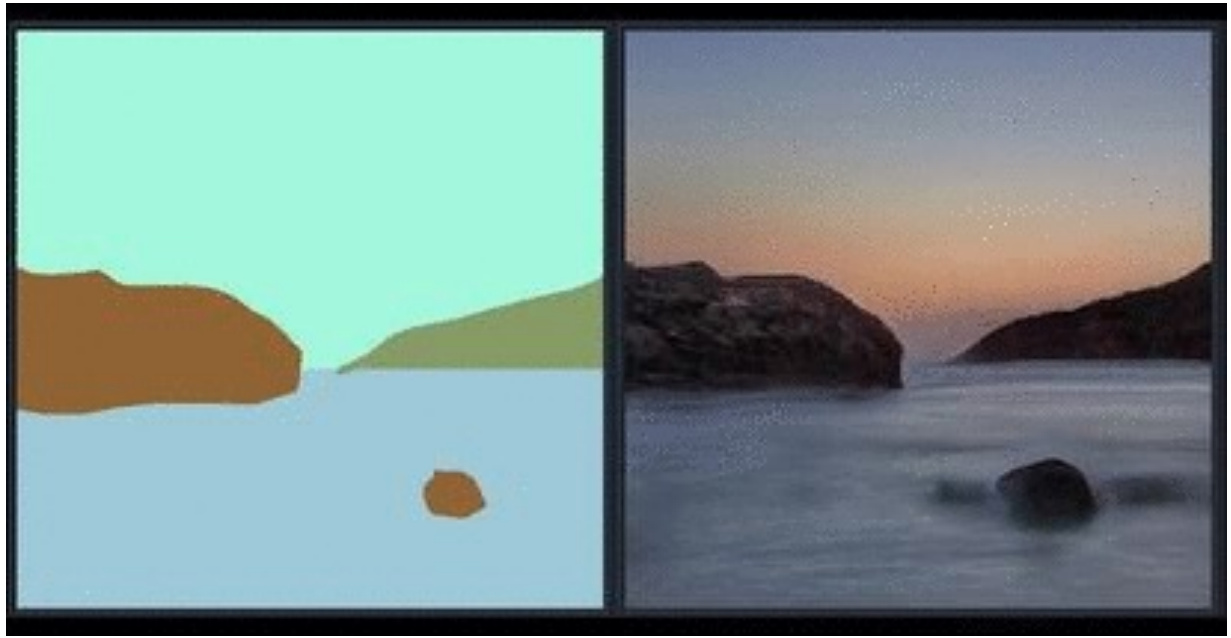
CREATE

ARTIFICIAL INTELIGENCE

NVIDIA GAUGAN

Tool to create artistic landscapes.



http://nvidia-research-mingyuliu.com/gaugan

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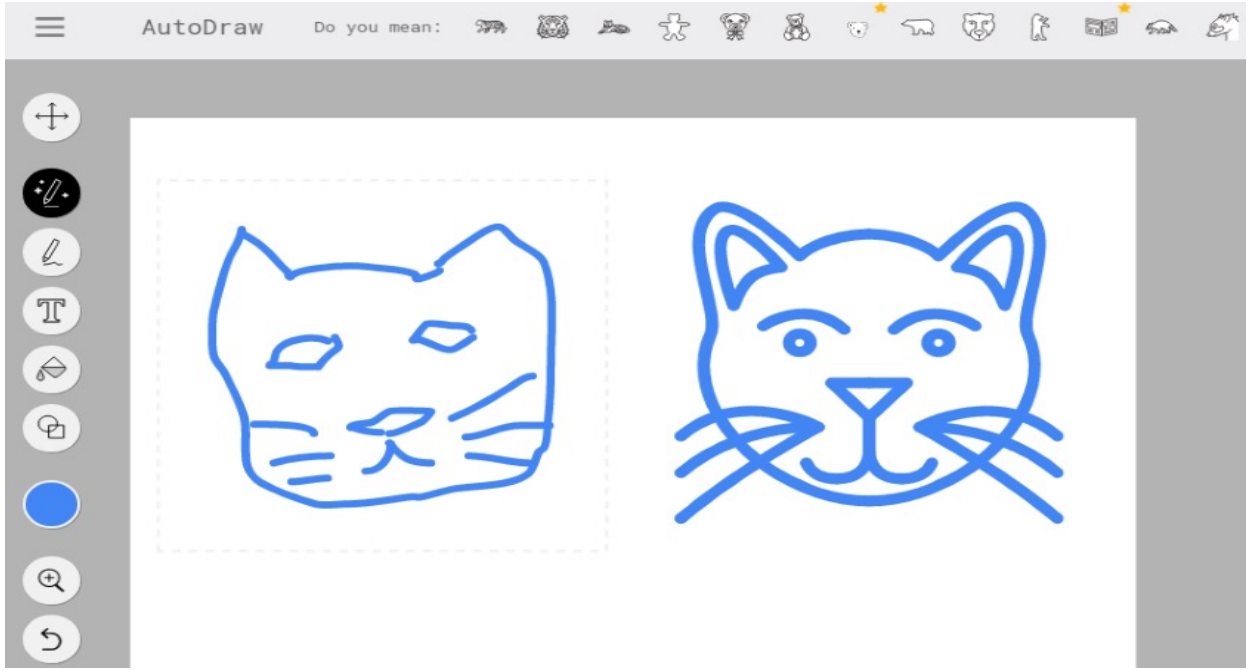
AUTODRAW

ARTIFICIAL INTELIGENCE

We can explore works of art by customizing our experience.



https://www.autodraw.com/

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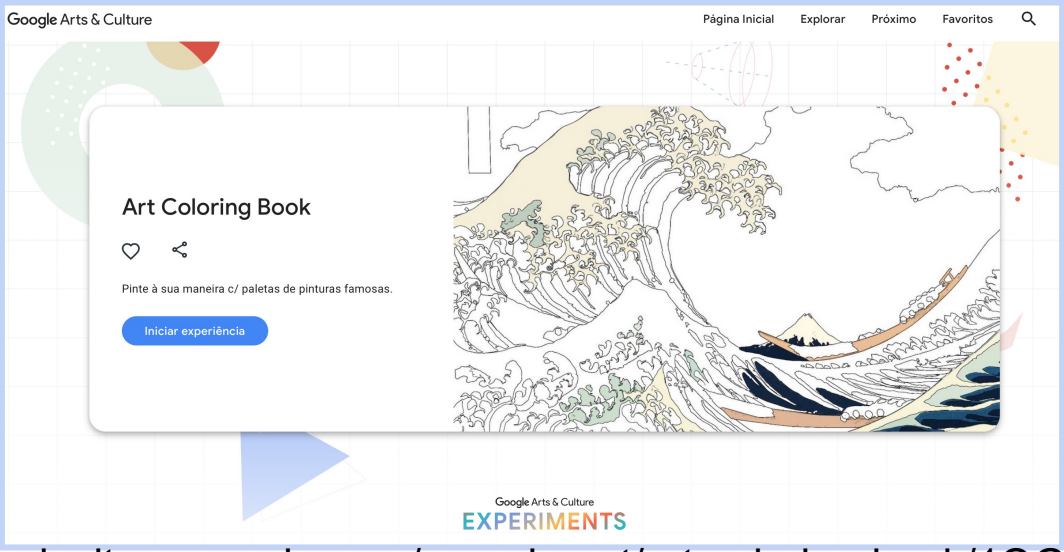
PRACTICE

(RE)COLORING ART

EXPERIMENTE
Art Coloring Book

Tool that allows us to recolor pictures by famous artists.



https://artsandculture.google.com/experiment/art-coloring-book/1QGsh6vSfAQBgQ

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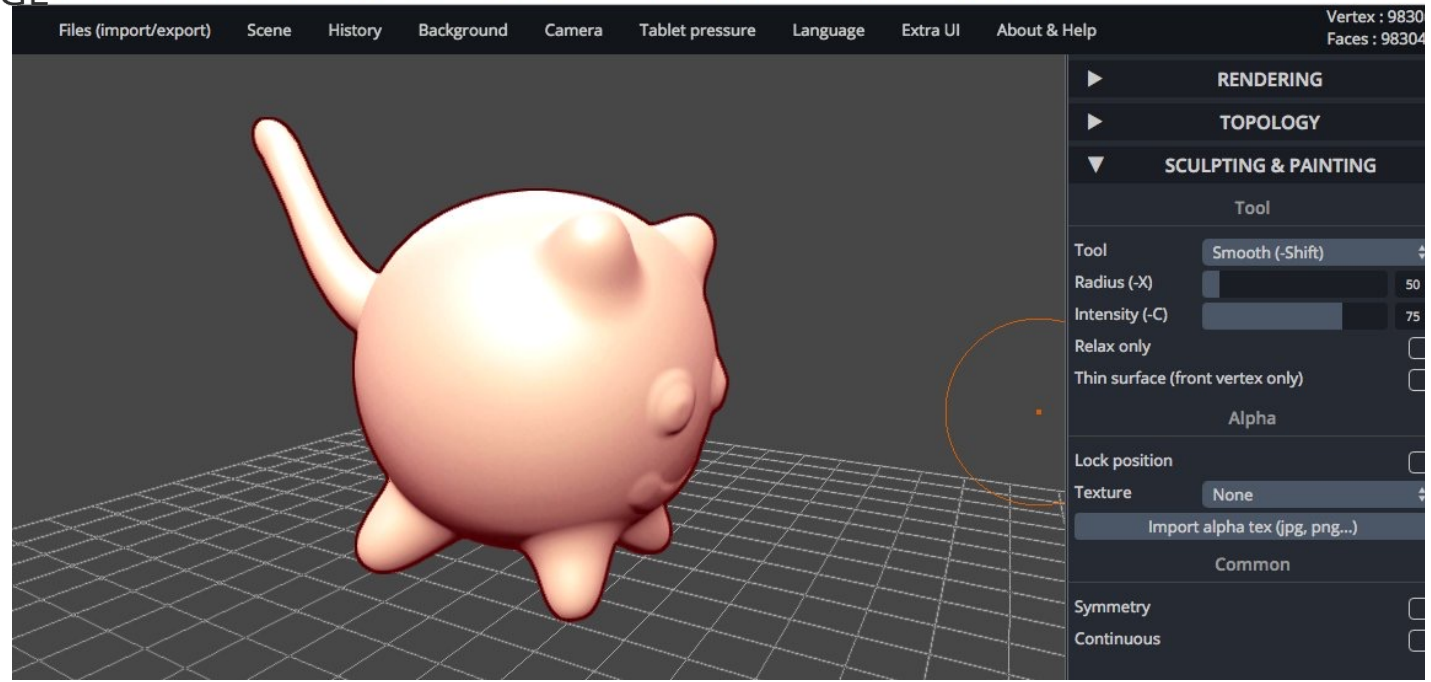
3D

MODELATE

SculptGL

Allows us to model 3D structures from basic shapes.



https://stephaneginier.com/sculptgl

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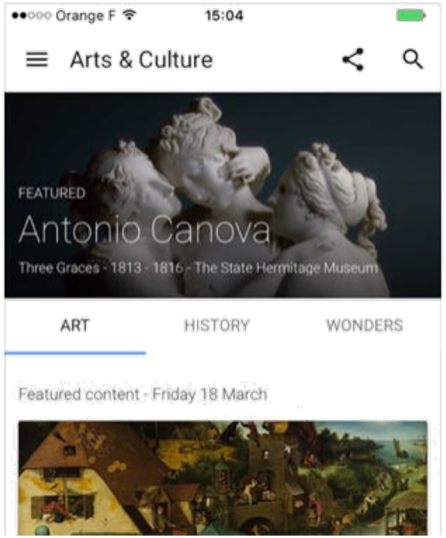
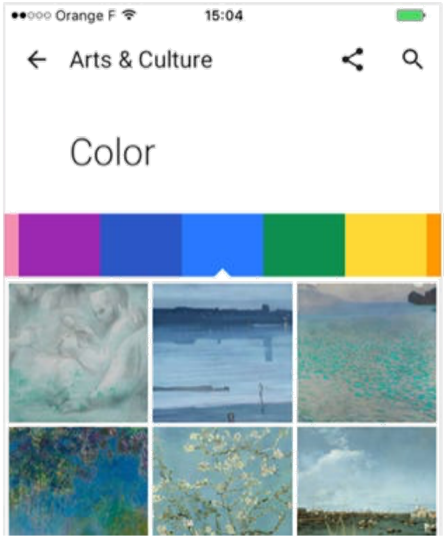
TRANSFORM

ART & CULTURE

Google Arts & Culture

We can explore works of art by customizing our experience.





APPLICATION: **ART & CULTURE–** DOWNLOAD TO MOBILE PHONE FROM PLAYSTORE OR APPSTORE

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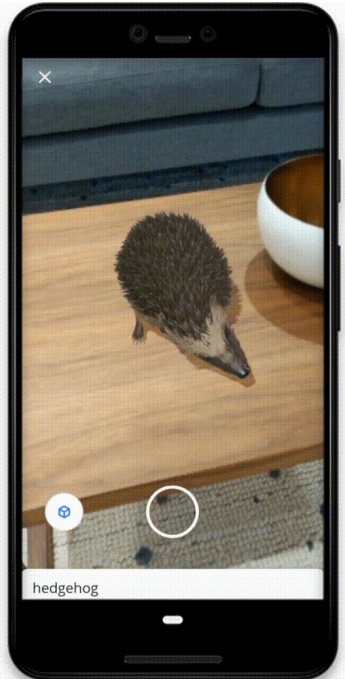
SIMULATE

3D OBJECTS

We can visualize the elements in 3D in our space.



Search Google for an animal and select the option “See in 3D”.

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SHARE

INFORMÁTICA
quivervision
paintdraw
quivervision
INFORMÁTICA
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Prof.ª Andreia Veloso
realidade aumentada
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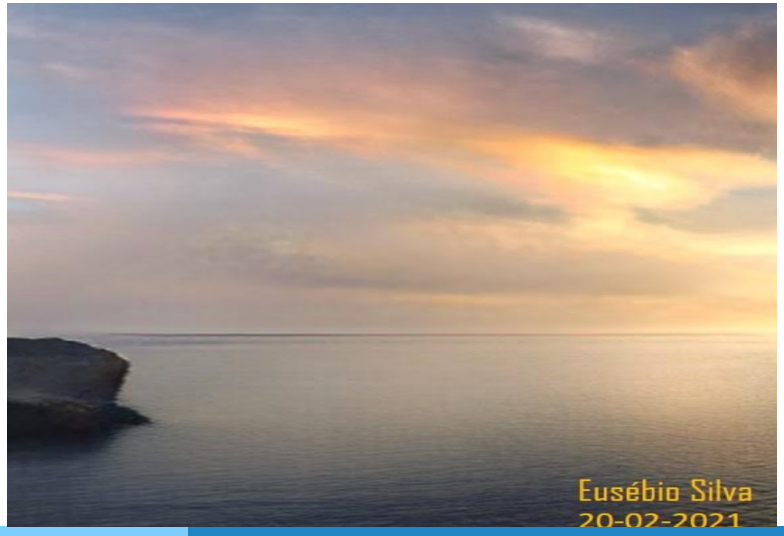
Eusébio Silva
20-02-2021

4.

Using SMART Technology

in senior's education

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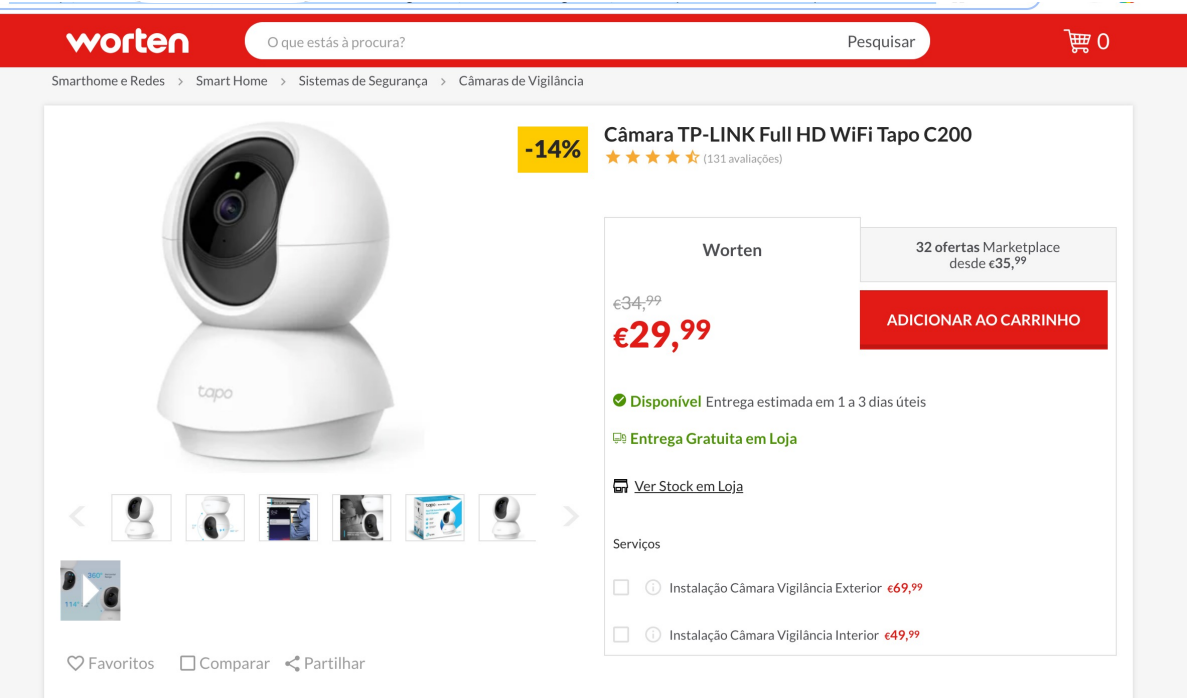
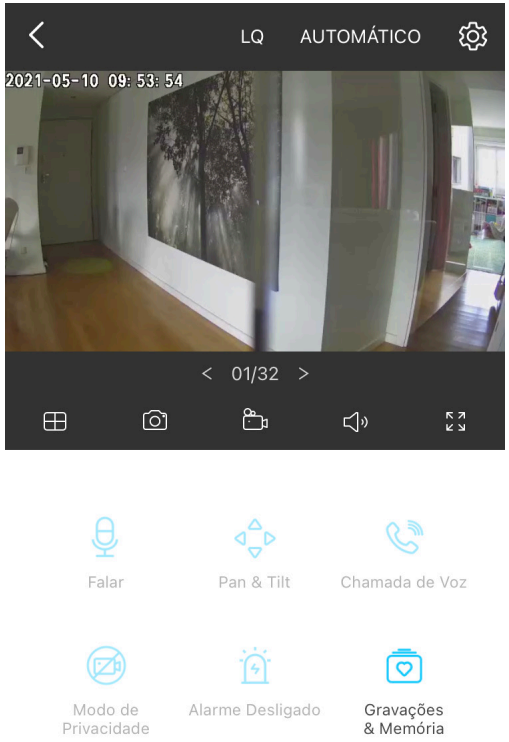
SMARTWATCH

Provide different functions:

- Pedometer
- Heart rate sensor
- Calorie counter
- Sleep monitor
- GPS tracking
- Sports record
- Motivation messages
- Goal medals
- Alarm Clock

TAPO – SECURITY CAMARAS





https://www.worten.pt/smarthome-e-redes/smart-home/sistemas-de-seguranca/camaras-de-vigilancia/camara-tp-link-full-hd-wifi-tapo-c200-7077976

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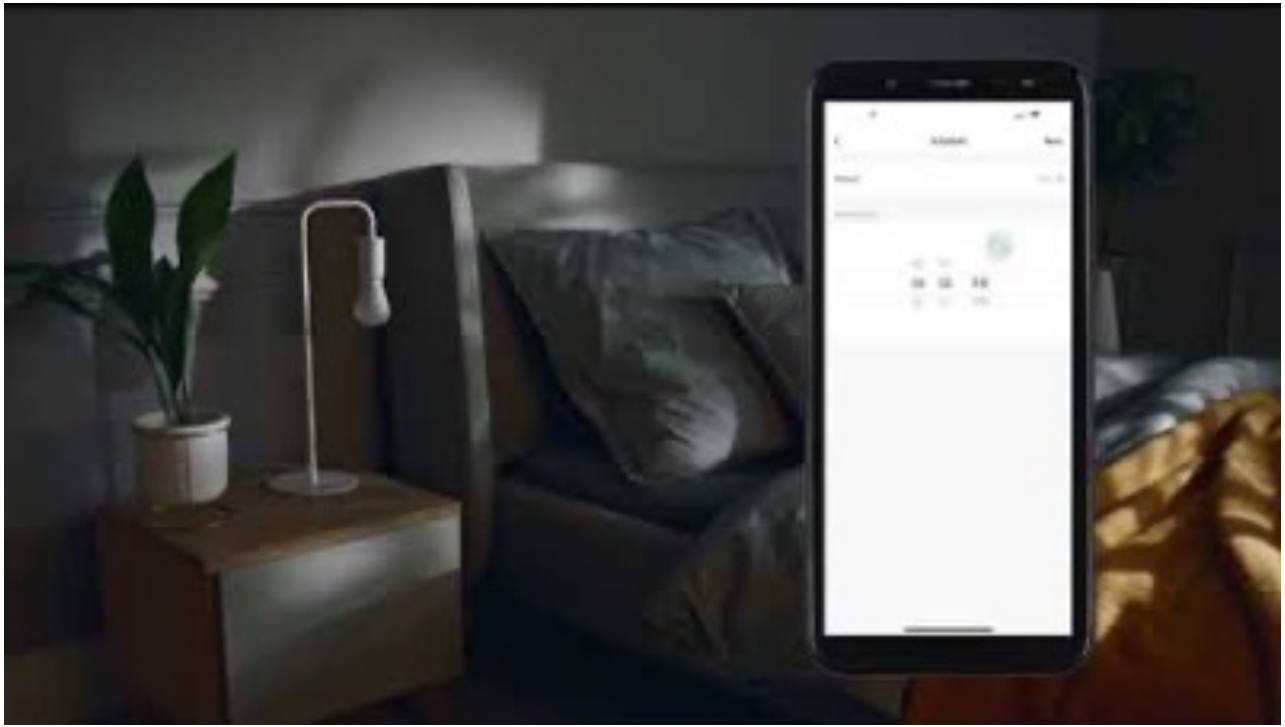
LIDL SMART HOME

Option for lights, motion sensors and doors, etc...



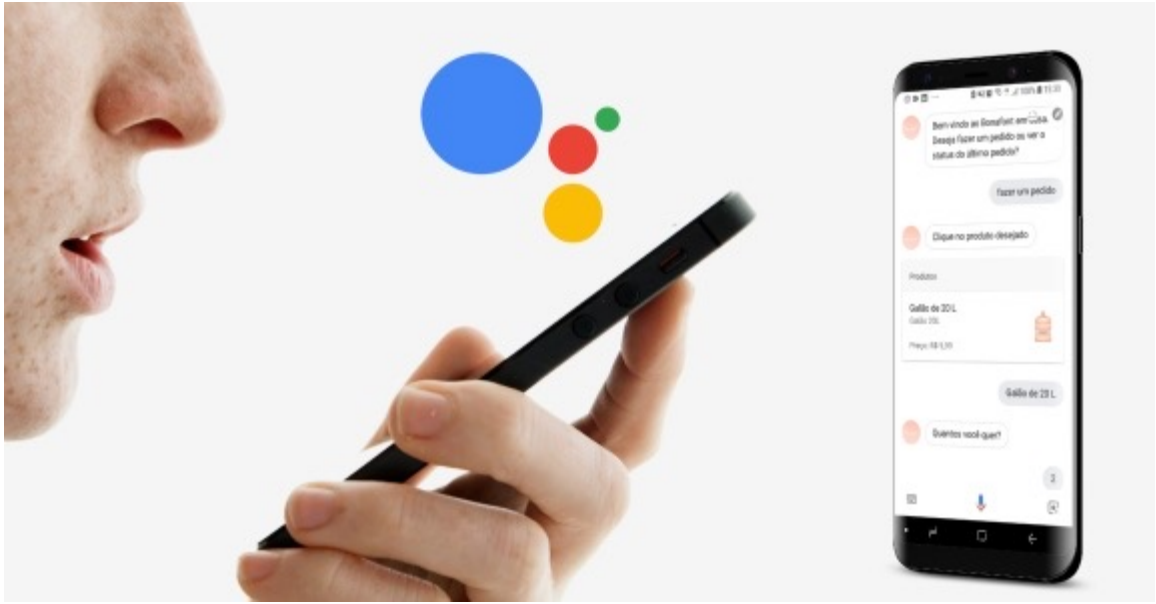
https://www.lidl.pt/pt/smart-home

What we need?

Para utilizar este produto é necessária a central doméstica
Função Alarme
Controlo inteligente através de App
IP21
3 ANOS
Silvercrest®
Sensor de Portas e Janelas Zigbee
• Deteta a abertura e o fecho de portas e janelas;
• Monitoriza janelas/ portas a partir de casa e em viagem;
• Com alarme anti-vandalismo;
• Expansível e compatível com outros produtos Lidl Home.
nº341806
Cada
14.99
Botão para ligação em rede e ligação e desligamento manual
Silvercrest®
Tomada Zigbee
• Programas de temporizador múltiplo;
• Ligar/ desligar automático (ao pôr-do-sol/ ao nascer do sol);
• Mudança automática de horário (verão/ inverno).
nº341807
Cada
12.99
Montagem rápida e fácil - sem fios
Silvercrest®
Sensor de Movimentos Zigbee
• Deteta movimentos por sensor de infravermelhos;
• Função de alarme através de notificação via Lidl Home App;
• Com alarme anti-vandalismo;
• Expansível e compatível com outros produtos Lidl Home;
• Ângulo de deteção: 90°.
nº341805
Cada
9.99
Tempos de carregamento otimizados com "Smart Fast Charge"
4 conexões USB-A e display LED de status
Silvercrest®
Bloco Tomadas com Portas USB Zigbee
• Esta tomada é a ligação à sua Lidl Home - Os aparelhos ligados podem ser operados a partir de casa e também fora de casa;
• Tomadas controláveis individualmente;
• Proteção de sobrecorrente;
• Carga máxima total 3840 W;
• Medidas: aprox. 6,5x4,1x35 cm.
nº341808
Cada
29.99
Controla todo os produtos Smart Home do Lidl
A partir de 5.ª feira 28/01
Stock Limitado
Controlo de voz
Controlo inteligente através de App
Silvercrest®
Central Doméstica Inteligente Zigbee
• Liga lâmpadas domésticas inteligentes, detetores de movimento, adaptadores e muito mais;
• Comunicação segura com encriptação;
• Alcance de receção: aprox. 70 m (área livre);
• Ângulo de receção: 360°;
• Ligações: entrada micro USB, RJ45 Ethernet;
• Medidas: aprox. 8,9x8,9x2,35 cm.
nº341809
Cada
27.99
Controlo de voz
Intensidade regulável
Livarno Lux®
Fita de Luz LED Regulável Zigbee
• Extensível e compatível com outros produtos Lidl Home;
• Fita de LEDs individuais, separáveis e autocolantes;
• Cabo de ligação de 10 cm (para ligar a outra tira LED).
nº334431
Brilho, 16 milhões de cores e tonalidades de luz branca
Cada
24.99
Controlo de voz
Intensidade regulável
3 Unid. x 350 lm
Brilho e tonalidades de luz branca
Livarno Lux®
Focos de Embutir Regulável Zigbee
• Extensível e compatível com outros produtos Lidl Home;
• Medidas: aprox. 9x7,6 cm (ØxC).
nº336304
Cada emb.
34.99
GU10
4,5 W = 250 lm
E14
6,5 W = 470 lm
E27
9 W = 806 lm
Brilho, 16 milhões de cores e tonalidades de luz branca
Livarno Lux®
Lâmpada Regulável RGB Zigbee
• Extensível e compatível com outros produtos Lidl Home.
nº334403
Cada
14.99
GU10
5 W = 280 lm
E14
5,5 W = 470 lm
E27
9 W = 806 lm
Brilho e tonalidades de luz branca
Livarno Lux®
Lâmpada Regulável Zigbee
• Extensível e compatível com outros produtos Lidl Home.
nº334392
Cada
12.99
Preços válidos a partir de 28/01 salvo por motivo de rotura de stocks ou erro tipográfico. Promoções válidas até final de stock nos artigos assinalados.
04/2021 - T.P.
15

VOICE ASSISTANT

Voice instructions



THE FUTURE?

https://www.youtube.com/watch?v=nwPtcqcqz00&t=2s

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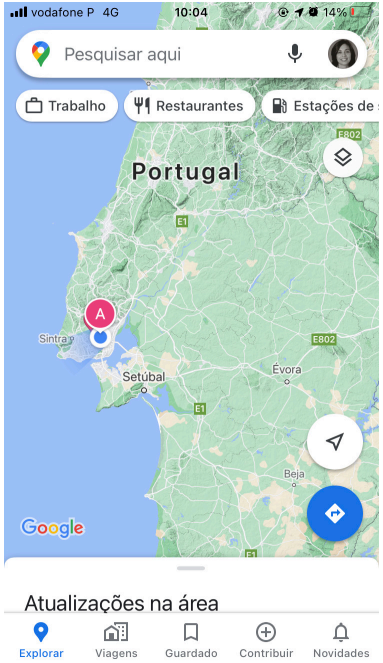
SHARED LOCATIONS



GOOGLE MAPS SHARED LOCATION

APPLE AIRTAG LOCATOR

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5.

SMART Techology

Security and vulnabilities

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HOW CAN WE FEEL MORE PROTECTED?

1- **Update** your systems, software and devices.

2- **Check** for updates regularly

3- **Make** regular **backups**

4- **CREATE** complex **passwords** ;

5- Activate the 2nd authenticati on factor;

6- Install an **antivirus** on your various devices.

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Thank you!

Any questions?

You can find us at: http://www.rutis.pt/

- Dulce Mota – m.dulce.mota@gmail.com
- Andreia Veloso – andreia.veloso@gmail.com