



# **#ESTUDOEMCASA**

ORIENTAÇÃO PARA O TRABALHO AUTÓNOMO 3.º CICLO

## Bloco temático 13

### Plano

**Introdução à Modelação 3D;**  
**Registo na plataforma TinkerCad;**  
**Ambiente de trabalho da aplicação;**  
**Aumentar, diminuir e juntar formas básicas;**  
**Agrupar formas para construir um novo objeto;**  
**Exportar e partilhar os objetos modelados.**



# Registo na plataforma Tinkercad


# Registro na plataforma Tinkercad

← → ↻ 🔒 https://www.tinkercad.com

Sign up for our next Teaching with Tinkercad webinar on 1/14.

**TINKERCAD** AUTODESK TINKERCAD


Galeria Blog Aprenda Ensinar 🔍 Entrar **INSCREVA-SE AGORA**



**FLATAS BORING**

RECORDED WITH

Da mente ao projeto em minutos



# Ambiente de trabalho ou interface da aplicação Tinkercad

# Ambiente de trabalho da aplicação TinkerCad


The screenshot shows the Tinkercad dashboard in a web browser. The address bar displays <https://www.tinkercad.com/dashboard>. A blue banner at the top contains the text "Sign up for our next Teaching with Tinkercad webinar on 1/14." with a close button. The Tinkercad logo and "AUTODESK TINKERCAD" are on the left. The top navigation bar includes "Galeria", "Blog", "Aprenda", "Ensinar", a search icon, and a user profile icon. On the left sidebar, the user's name "Maria" is shown with a profile picture. Below it is a search bar "Pesquisar projetos..." and a list of project categories: "Projetos 3D" (highlighted in blue), "Circuits", "Blocos de código" (with a "NOVO" tag), "Lições", "Suas aulas", and "Projetos" (with a "+ Criar projeto" button). The main content area features a "Meus projetos recentes" section with a "Criar novo design" button and a "Select" checkbox. A "Tinkercad Lesson Plans" card is also visible, with a close button and text: "Tinkercad lesson plans are ready to use online or in the classroom. Discover curriculum developed in partnership with teachers. [Learn more](#)". A "RECORDED WITH" watermark is present at the bottom left.

← → ↻ 🔒 <https://www.tinkercad.com/dashboard> 🗄️ ☆ 🔴 ⚙️ 🗑️ 👤 ⋮

Sign up for our next Teaching with Tinkercad webinar on 1/14. ✕

**TINKERCAD** AUTODESK TINKERCAD

Galeria Blog Aprenda Ensinar 🔍 👤

  
Maria

Pesquisar projetos...

Projetos 3D

Circuits

Blocos de código **NOVO**

Lições

Suas aulas

Projetos

+ Criar projeto

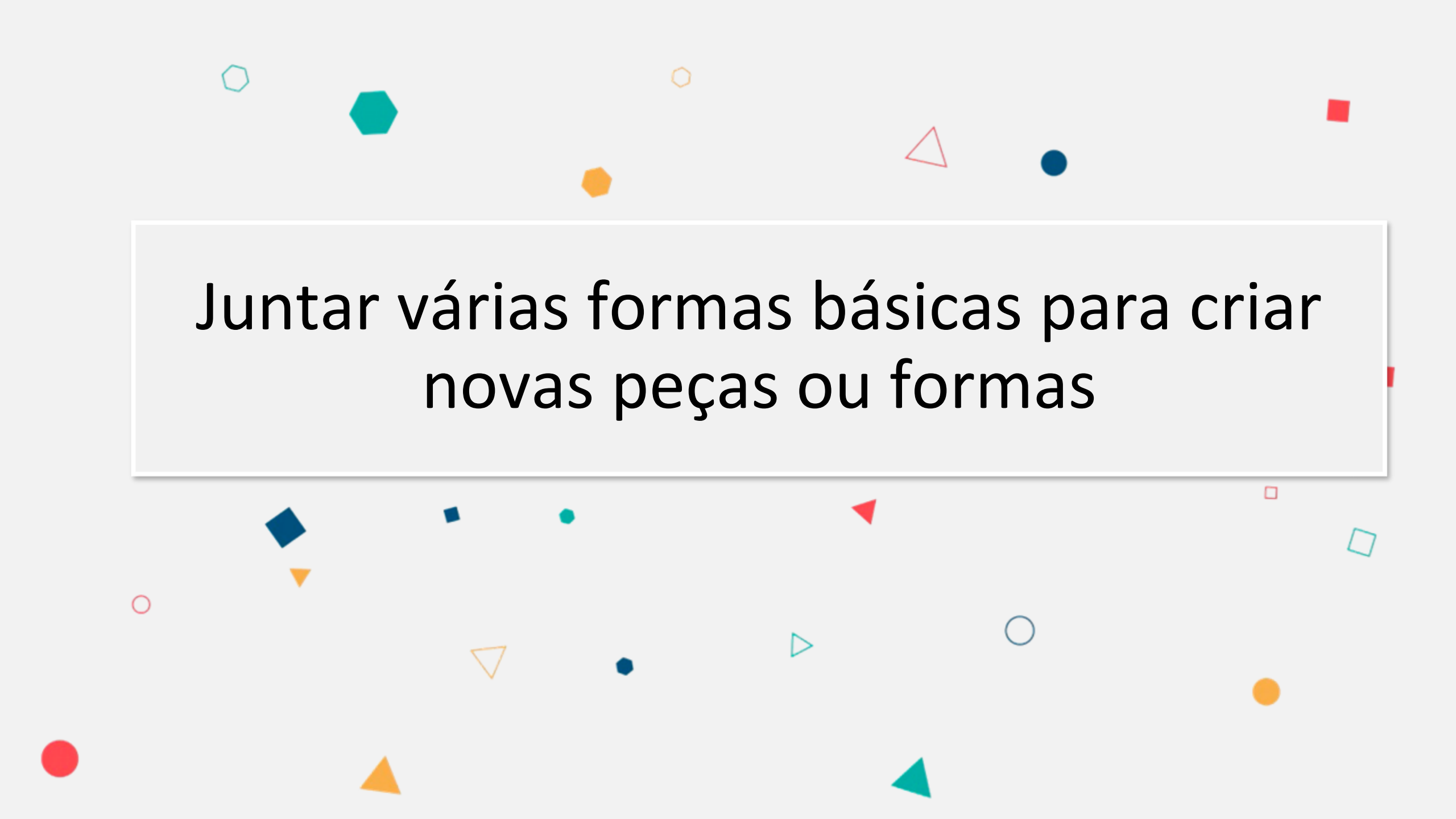
**Meus projetos recentes**

Criar novo design

Select

**Tinkercad Lesson Plans** ✕  
Tinkercad lesson plans are ready to use online or in the classroom. Discover curriculum developed in partnership with teachers. [Learn more](#)

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Juntar várias formas básicas para criar  
novas peças ou formas

# Juntar várias formas básicas

The image shows a screenshot of the Tinkercad web application interface. At the top, the browser address bar displays the URL <https://www.tinkercad.com/things/h7NXdeEM0p7-brilliant-uusam/edit>. The user's name, "Brilliant Uusam", is visible in the top left corner. The main workspace is a 3D environment with a blue grid floor labeled "Plano de trabalho". On the left side, there is a toolbar with icons for home, zoom in, zoom out, and reset view. On the right side, there is a sidebar with a menu that includes "Importar", "Exportar", and "Enviar para". Below the menu, there are icons for "Plano de trabalho", "Régua", and "Notes". A dropdown menu is open, showing "Tinkercad" and "Formas básicas". Under "Formas básicas", several 3D shapes are displayed: "Borda" (a blue wedge), "Pirâmide" (a yellow pyramid), "Metade da esfera" (a pink hemisphere), "Polígono" (a blue cube), "Parabolóide" (a grey paraboloid), and "Tórus" (a blue torus). At the bottom right, there is a "Editar grade" button and a "Ajustar Grade" dropdown menu set to "1,0 mm".





Agrupar várias formas para criar um objeto e criar orifícios

# Agrupar formas e criar orifícios

The image shows the Tinkercad web interface. At the top, the browser address bar displays <https://www.tinkercad.com/things/8jbrP1oAfup-cool-lahdi-trug/edit>. The interface includes a top navigation bar with the Tinkercad logo and 'Sala TIC', a toolbar with icons for import, export, and share, and a central workspace with a blue grid labeled 'Plano de trabalho'. On the left, there are navigation icons and a 'SUPERIOR FRONTAL' view indicator. On the right, a sidebar lists basic shapes: 'Caixa' (box) and 'Cilindro' (cylinder) in grey, and 'Caixa' (box) and 'Cilindro' (cylinder) in red and orange. Below these are 'Esfera' (sphere) and 'Scribble'. At the bottom right, there are controls for 'Editar grade' and 'Ajustar Grade' set to '1,0 mm'. A 'RECORDED WITH' watermark is visible in the bottom left corner.



Partilhar ou exportar o nosso projeto

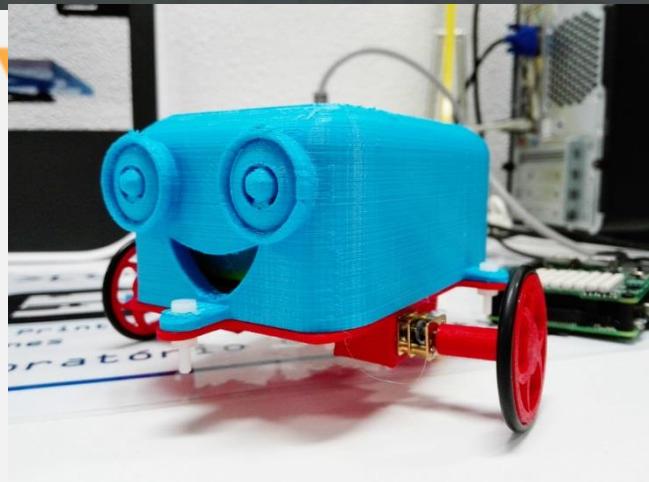
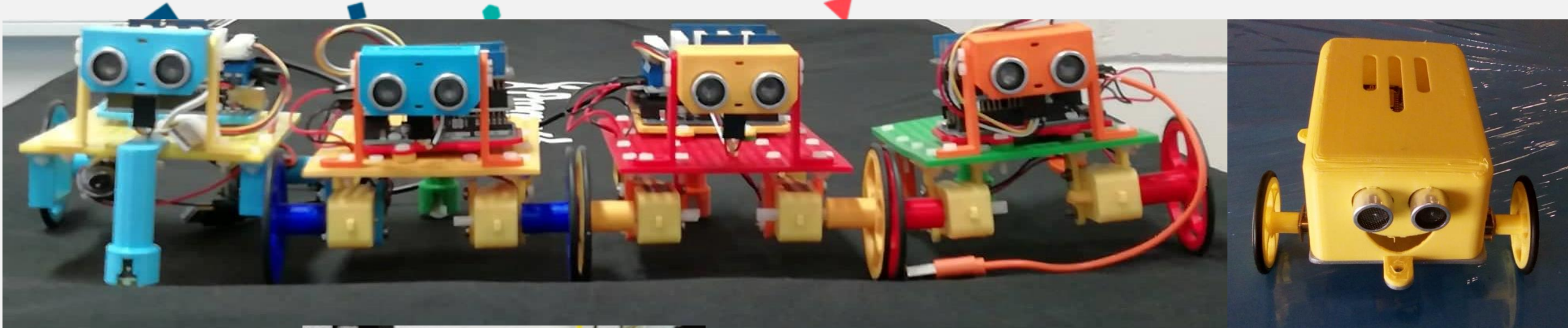
# Exportar ou partilhar o projetos

The image shows a screenshot of the Tinkercad web application interface. At the top, a browser address bar displays the URL <https://www.tinkercad.com/things/8jbRP1oAfup-sala-tic/edit>. The main workspace features a blue grid background with a 3D model of a red rectangular sign. The sign has the text "SALA TIC" in yellow, 3D block letters. A light blue heart-shaped cutout is positioned in the upper right corner of the sign. A yellow circle highlights a mouse cursor hovering over the left edge of the sign. The interface includes a top navigation bar with icons for home, recent projects, and user profile. A toolbar on the left contains icons for undo, redo, and other editing functions. On the right, a panel titled "Forma" (Shape) is open, showing options for "Sólido" (Solid) and "Orifício" (Hole). Below this, a "Formas básicas" (Basic Shapes) panel lists various 3D objects like "Caixa" (Box) and "Cilindro" (Cylinder). At the bottom right, there are controls for "Editar grade" (Edit Grid) and "Ajustar Grade" (Adjust Grid) set to 1.0 mm. A "RECORDED WITH" watermark is visible in the bottom left corner.



Que objetos podemos modelar

O que quisermos



Robots

## O que quisermos

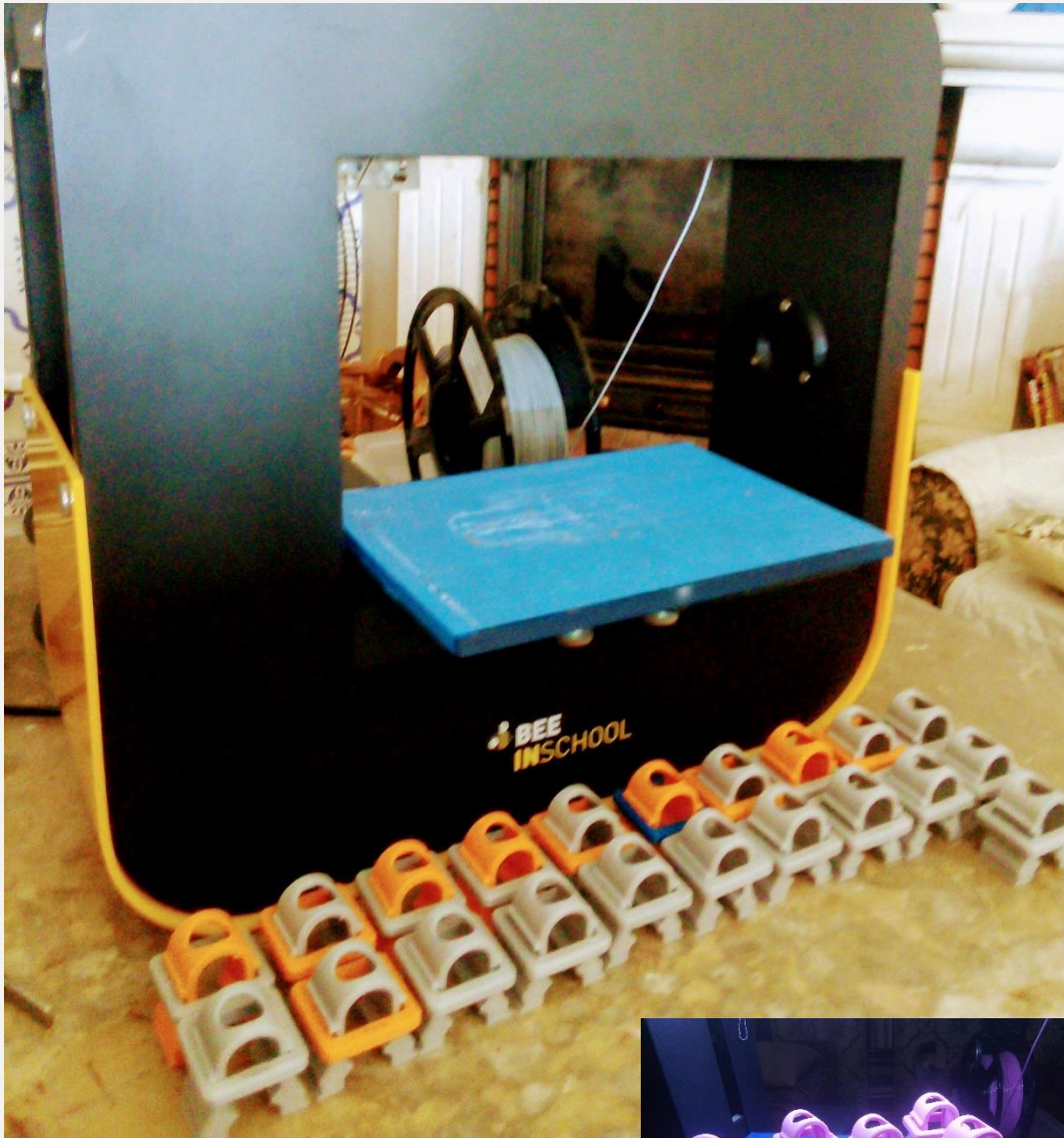


Robots cartões para eventos



# Objetos para a saúde

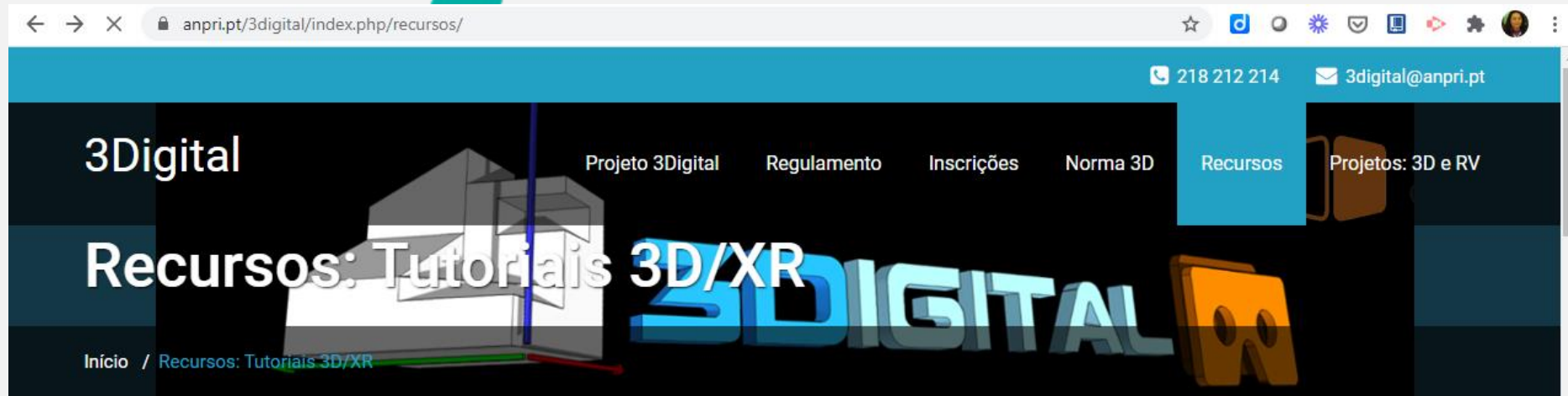




Clampes de Tubo Orotraqueal



# Onde podes encontrar tutoriais e ideias

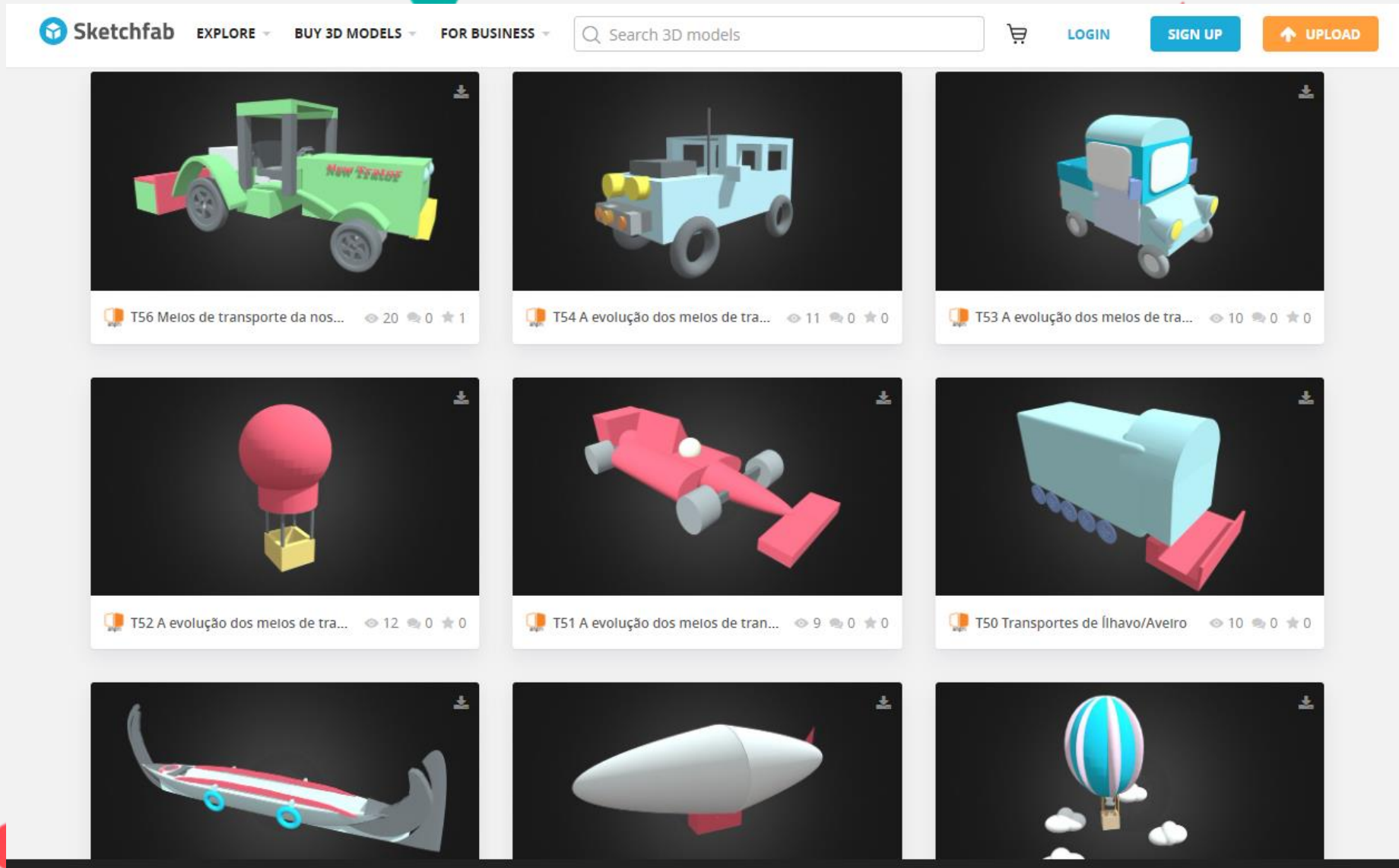


## Recursos sobre modelação 3D e eXtended Reality (Realidade Virtual ou Realidade aumentada)



<https://www.anpri.pt/3digital/>

# Onde podes encontrar tutoriais e ideias



<https://www.anpri.pt/3digital/>

## Bloco temático 11

### Aprendeste a...

**Introdução à Modelação 3D;**  
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