

# Introdução ao H5P

## Como criar atividades interativas

O vídeo interativo

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Gabinete de Apoio à Inovação em Educação

Núcleo de Educação

ISCAP, 22 de março de 2023

## Conteúdos

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- 1. Registo no site H5P*
- 2. Carregamento de vídeos*
- 3. Adicionar interações*
- 4. Gravar e descarregar*
- 5. Introduzir atividade H5P no Moodle*



# H5P. O que é?

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- 1. Ferramenta gratuita de produção de conteúdos interativos*
- 2. Permite criar, compartilhar e reutilizar conteúdos HTML5*
- 3. Apresentações, vídeos, quizzes, atividades...interativos*
- 4. Adequado a diferentes áreas e níveis de ensino*



## Vantagens

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### **01.** **Dinamismo**

Permite adicionar elementos aos vídeos melhorando a retenção da informação

### **02.** **Compreensão**

Aprendentes podem testar a compreensão enquanto visualizam o vídeo

### **03.** **Integração**

Os recursos H5P podem ser utilizados no Moodle como “atividades”

## Vídeo Interativo



1. *Ferramenta pedagógica que permite aprender através de uma abordagem construtiva*
2. *Forma de hipermédia – fusão de vários média num ambiente digital por meios não lineares.*
3. *Diversos tipos de conteúdos - vídeo, texto, imagens, áudio, animações ou gráficos, que podem ser combinados entre si*

## Alguns tipos de vídeos interativos

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Palestra

Screencast

Micro

Explicativos

Tutoriais

# Técnicas para promover a aprendizagem ativa

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## ★ **Questões interativas**

Permite melhorar aspectos como a memória, via efeito teste e autoavaliação

## ★ **Características interativas**

Permite dar uma sensação de controlo ao estudante; selecionar partes do vídeo; navegar para a frente a para trás no vídeo

## ★ **Questões orientadoras**

Leva a uma apreensão da informação focada nos aspectos mais importantes que o vídeo transmite

## ★ **Integrar nos “trabalhos de casa”**

Permite ao aprendente aplicar conceitos e informação aprendidos a partir dos vídeos interativos

# Registro no site H5P

The screenshot shows the h5p.org homepage with a blue header. In the top right corner, there is a search bar with the placeholder "Search h5p.org" and a magnifying glass icon. Below the search bar are several navigation links: "Examples & downloads", "Documentation", "Goals & roadmap", "Forum", "Log in", and "Create free account". The "Create free account" link is circled in red. The main content area features the H5P logo on the left and a large white text block in the center that reads: "CREATE, SHARE AND REUSE INTERACTIVE HTML5 CONTENT IN YOUR BROWSER". To the right of this text is a grid of six blue squares, each containing a white question mark. Below the grid, the text "Time spent: 0:00" and "Card turns: 0" is displayed. A "Try this" button with a right-pointing arrow is located at the bottom left. A watermark reading "©GAIE/ISCAP" is diagonally across the page. On the far right edge, there is a small "feedback" button.

# Registro no site H5P

## User account

[Create new account](#)

[Log in](#)

[Request new password](#)

Username \*

Spaces are allowed; punctuation is not allowed except for periods, hyphens, apostrophes, and underscores.

E-mail address \*

A valid e-mail address. All e-mails from the system will be sent to this address. The e-mail address is not made public and will only be used if you wish to receive a new password or wish to receive certain news or notifications by e-mail.

Password \*

Password strength:



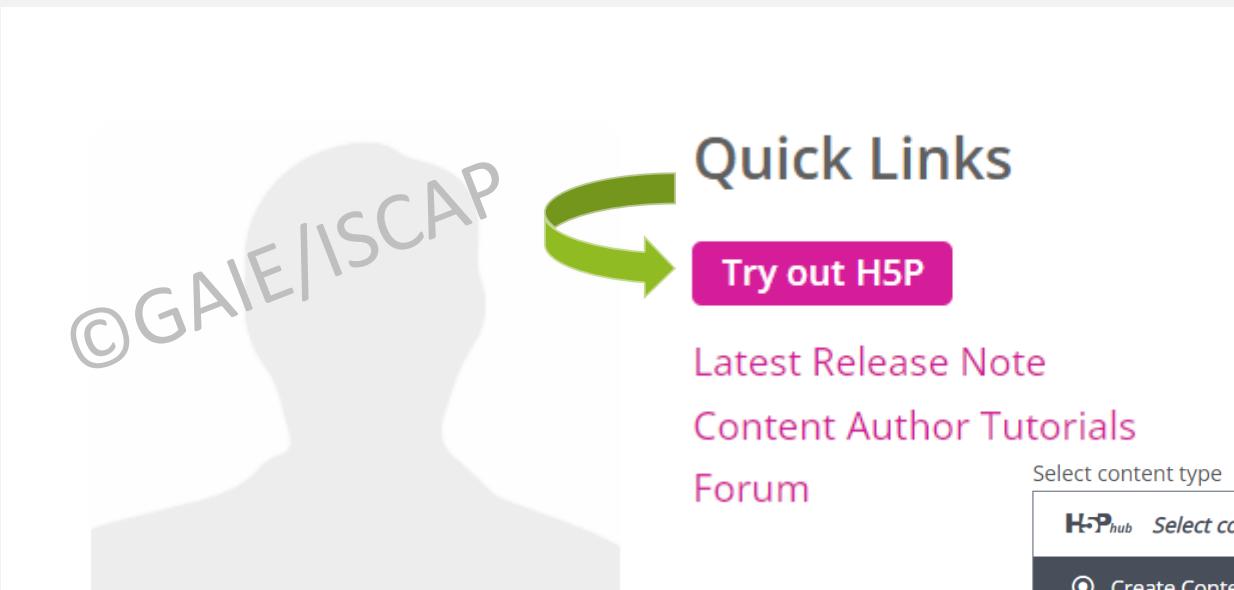
Confirm password \*

Provide a password for the new account in both fields. Password must be at least 6 characters.

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1.º

# Acesso ao H5P



Quick Links

Try out H5P

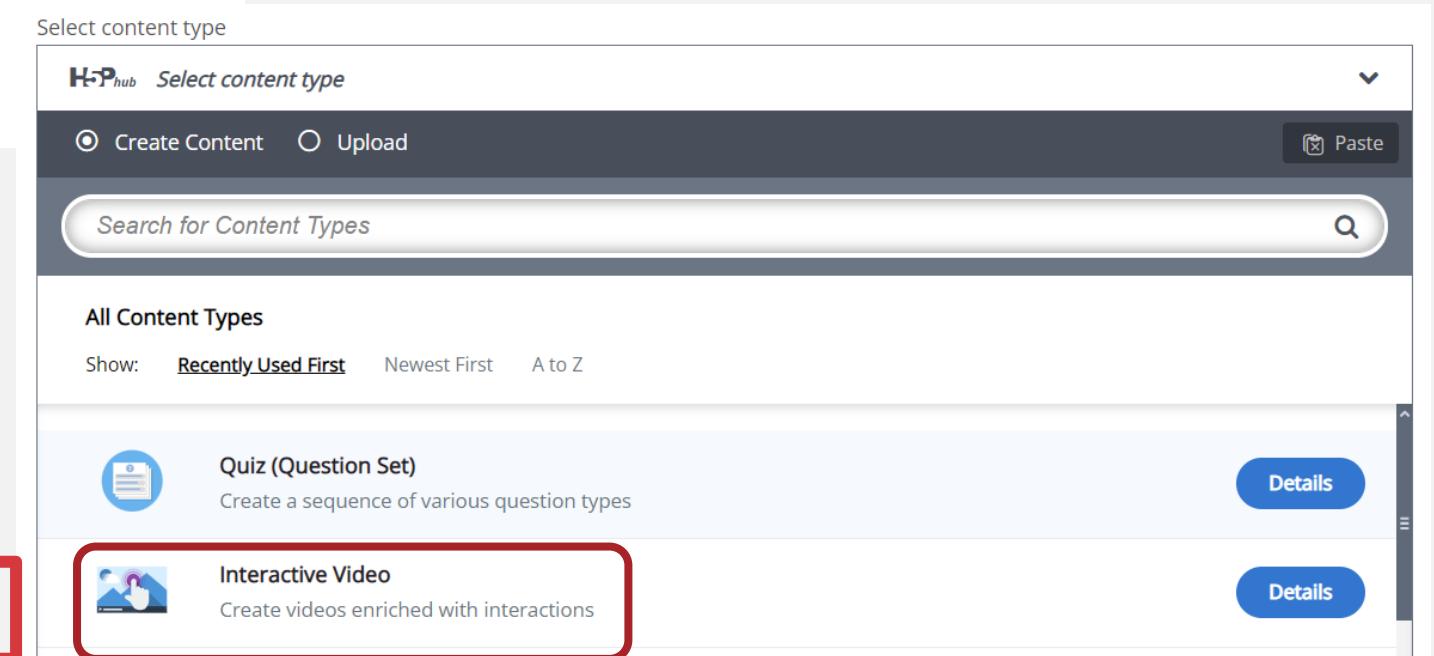
Latest Release Note

Content Author Tutorials

Forum

©GAIE/SCAP

2.º



Select content type

H5P hub Select content type

Create Content  Upload

Paste

Search for Content Types

All Content Types

Show: [Recently Used First](#) [Newest First](#) [A to Z](#)

	Quiz (Question Set) Create a sequence of various question types	<a href="#">Details</a>
	Interactive Video Create videos enriched with interactions	<a href="#">Details</a>

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## Step 1 - Carregar vídeos

Title \* Metadata

Used for searching, reports and copyright information

Vídeo de exemplo

Step 1 Upload/embed video Step 2 Add interactions Step 3 Summary task

Add a video (upload limit 16 MB)\*

Click below to add a video you wish to use in your interactive video. You can add a video link or upload video files. It is possible to add several versions of the video with different qualities. To ensure maximum support in browsers at least add a version in webm and mp4 formats.

Note: To avoid abuse, H5P.org has limited file size on uploads to 16 MB. To use larger files you must [use H5P.com](#) or host your own website with H5P.

+ Interactive Video Text tracks (unsupported for YouTube videos)

Upload video file or Paste YouTube link or other video source URL

Enter video URL

H5P supports all external video sources formatted as mp4, webm or ogv, like Vimeo Pro, and has support for YouTube and Panopto links.

Insert Cancel

### ★ Formatos

MP4  
WEBM  
OGV

# Informação complementar

▼ Interactive Video

The title of this interactive video \*

Used in summaries, statistics etc.

Interactive Video

Hide title on video start screen

Short description (Optional)

Optional. Display a short description text on the video start screen. Does not work for YouTube videos.

Poster image

Image displayed before the user launches the video. Does not work for YouTube Videos.

**Note:** To avoid abuse, H5P.org has limited file size on uploads to 16 MB. To use larger images you must [use H5P.com or host your own website with H5P](#).

 Add



# Configurar comportamento do vídeo

## Behavioural settings

### Start video at

Enter timecode in the format M:SS

#### Auto-play video

Start playing the video automatically

#### Loop the video

Check if video should run in a loop

### Override "Show Solution" button

This option determines if the "Show Solution" button will be shown for all questions, disabled for all or configured for each question individually.

### Override "Retry" button

This option determines if the "Retry" button will be shown for all questions, disabled for all or configured for each question individually.

#### Start with bookmarks menu open

This function is not available on iPad when using YouTube as video source.

#### Show button for rewinding 10 seconds

#### Prevent skipping forward in a video

Enabling this options will disable user video navigation through default controls.

#### Deactivate sound

Enabling this option will deactivate the video's sound and prevent it from being switched on.

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## Step 2 – Adicionar Interações

### Funcionalidades interativas

The screenshot shows a video player interface with three steps: Step 1 (Upload/embed video), Step 2 (Add interactions), and Step 3 (Summary task). Step 2 is highlighted with a green border. Below the steps is a toolbar with various interaction icons. The main content area displays a Moodle profile page for Pedro Querido. A callout box contains the text: "Para criar as suas UCs no Moodle deve utilizar a Secretaria Online." Below this are two radio button options: "True" and "False". At the bottom right is a blue "Check" button. The video player controls at the bottom indicate the video is at 0:13 / 1:20.

Para criar as suas UCs no Moodle deve utilizar a Secretaria Online.

True

False

**Check**

# Texto

Tutorial Moodle SO > T Text

Delete Done ↗

Display time \*

0:06.476 - 0:16.476

Pause video

Display as

 Button

 Poster

Button is a collapsed interaction the user must press to open. Poster is an expanded interaction displayed directly on top of the video

Label

Label displayed next to interaction icon.

Text \* Metadata

▶ Go to on click

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©GAIE/ISCAP

## **Moodle num minuto**

*Criar UCs a partir da Secret*

Visite-nos em [www.iscap.pt/gaie](http://www.iscap.pt/gaie)

# Tabela

©GAIE/ISCAP

[Tutorial Moodle SO](#) > [Table](#)

Delete Done 

Display time \*

0:00 - 0:10

Pause video

Display as

 Button     Poster

Button is a collapsed interaction the user must press to open. Poster is an expanded interaction displayed directly on top of the video

Label

Label displayed next to interaction icon.

Title \* Metadata

Used for searching, reports and copyright information

Table \*

Heading Column 1	Heading Column 2
Row 1 Col 1	Row 1 Col 2
Row 2 Col 1	Row 2 Col 2

**Superior  
de Contabilidade  
e Administração  
do Porto**

P.PORTO

Ecole Cursos Extracto Documentação Interna Ver agenda Sair

Gerir o Moodle

moodle 2015/2016

Uma única disciplina de Interpretação Consecutiva e Simultânea I partilhada por todos os cursos e turmas

Grupo de unidades curriculares do Moodle: Lic. Assessoria e Tradução

[ Criar Unidade Curricular partilhada ]

Quinta, 21 de Julho de 2022 11:29 PEDRO QUEIRÓS

**Procedimentos**

---

1 Clicar em Gestão >

2 Moodle

3 Ano Letivo

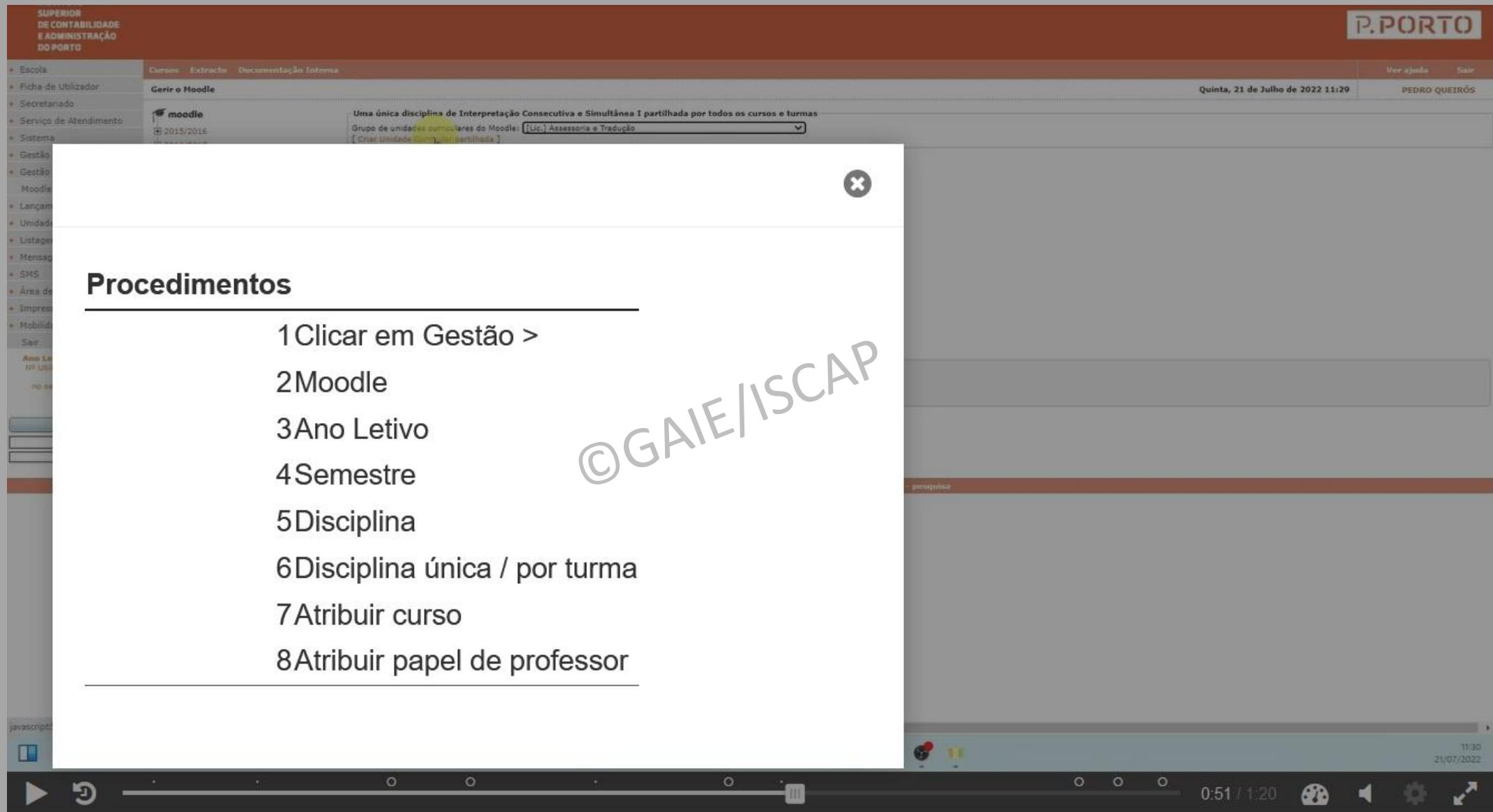
4 Semestre

5 Disciplina

6 Disciplina única / por turma

7 Atribuir curso

8 Atribuir papel de professor



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pesquisa

11:30  
21/07/2022

0:51 / 1:20

# Link

Tutorial Moodle SO > Link

Delete Done ↗

Display time \*

0:00 - 0:10

Pause video

Title \*

Protocol URL \*

https://

Visuals

Done Delete

©GAIE/ISCAP

- Escola
- Ficha de Utilizador
- Página Institucional
- Dados Pessoais
- Absentismo
- Carreira
- Curriculum
- Horário
- Mapa de Aulas
- Assinaturas
- Reuniões
- Sumários
- Vigilâncias
- Barramentos Acesso
- Conta-Corrente
- Correspondência
- Meus Dashboards
- Os meus cartões
- Preferências
- Alterar senha
- Contactos e Amigos
- Secretariado
- Serviço de Atendimento
- Sistema
- Gestão de pedidos
- Gestão
- Listagens
- Mensagens
- SMS
- Área de ficheiros
- Impressão/Cópia
- Mobilidade

Sair

Ano Letivo : 2021/2022  
Nº utilizadores ligados 4,  
3 dos quais  
no servidor Srv01-01



PESQUISA

Cursos Extracto Documentação Interna

Visualizar a página inicial

Quinta, 21 de Julho de 2022 11:27

PEDRO QUEIRÓS

• Dados pessoais públicos de Pedro Queirós



Pedro Queirós

Nº Mecanográfico: 525

Siglas: plad

Nomes: Pedro Queirós

Categoria/Título: Assistente Convidado / Mestre

ORCID: 0000-0002-1586-2012

E-mail: [Confidencial]

Cargos que actualmente ocupa: Comissão Autoavaliação Mestrado em Contabilidade e Finanças

Telefones: [Confidencial]

Telefone alternativo: [Confidencial]

Telemóvel: [Confidencial]

Telefone do gabinete: 22308 (Director: 229 050 048)

Gabinete: 308

Cacifos:

Último acesso: 14 de Julho de 2022 11:36

Último acesso com senha inválida: 21 de Julho de 2022 11:26



[Editá dados de utilizador](#)

Ver ajuda Sair  
P. Porto  
Acção Social  
Candidaturas  
Cartão P.Porto  
GICANT  
Newsletter

Julho, 2022						
S	T	Q	Q	S	S	D
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

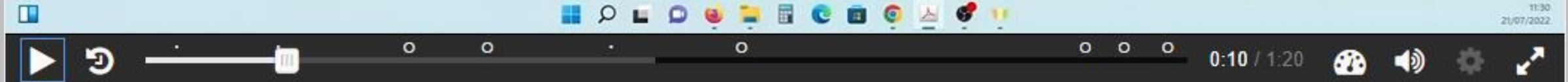
Alertas  
Não tem alertas.  
Tem 1 pedidos de amizade

Contactos On-Line  
Ainda não definiu nenhum contacto.

Secretaria Online

11:30

21/07/2022



# Imagen

Tutorial Moodle SO > Image Delete Done ↗

**Display time \***  
0:13.53 - 0:23.53

Pause video

**Display as**

Button    Poster

Button is a collapsed interaction the user must press to open. Poster is an expanded interaction displayed directly on top of the video

Turn into button on small screens

**Image \*** Metadata

Note: To avoid abuse, H5P.org has limited file size on uploads to 16 MB. To use larger images you must [use H5P.com or host your own website with H5P](#).

**Add**

Decorative only  
Enable this option if the image is purely decorative and does not add any information to the content on the page. It will be ignored by screen readers and not given any alternative text.

**Alternative text \***  
Required. If the browser can't load the image this text will be displayed instead. Also used by "text-to-speech" readers.

**Hover text**  
Optional. This text is displayed when the users hover their pointing device over the image.

©GAIE/ISCAP

- Escola
- Ficha de Utilizador
- Secretariado
- Serviço de Atendimento
- Sistema
- Gestão de pedidos
- Gestão Moodle
- Lançamento de notas
- Unidades Curriculares
- Listagens
- Mensagens
- SMS
- Área de ficheiros
- Impressão/Cópia
- Mobilidade

Sair

Ano Letivo : 2021/2022  
Nº Utilizadores ligados: 6.  
3 deles estão  
no servidor SRV01-01



PESQUISA

Cursos Extracto Documentação Interna

Gerir o Moodle

Quinta, 21 de Julho de 2022 11:29

Ver ajuda Sair

PEDRO QUEIRÓS

moodle

- ⊕ 2015/2016
- ⊕ 2016/2017
- ⊕ 2017/2018
- ⊕ 2018/2019
- ⊕ 2019/2020
- ⊕ 2020/2021
- ⊕ 2021/2022

1º Semestre

⊕ Inglês Comercial I

⊕ Interpretação Consecutiva e Simultânea I

⊕ Disciplina Única

⊕ 3300

⊕ R31N / 3300

2º Semestre

Disciplinas no 2021/2022 do 1º Semestre

Inglês Comercial I/3300/R31N (Pedro Queirós)

Grupo de unidades curriculares do Moodle: [Lic.] Assessoria e Tradução

[Esconder Unidade Curricular] [Retirar o papel de professor]

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- Disciplina Única
- 3300
- R31N / 3300

### Descontinuação de Serviço

Este serviço será brevemente descontinuado, pelo que deverá utilizar o Domus.

## Questões Interativas

Escolha  
múltipla

Verdadeiro/  
Falso

Preenchimento  
de Espaços

Arrastar e  
largar

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# Escolha Múltipla

Tutorial Moodle SO > Multiple Choice

Delete Done 

Display time \*

0:00 - 0:10

Pause video

Display as

 Button     Poster

**Button** is a collapsed interaction the user must press to open. **Poster** is an expanded interaction displayed directly on top of the video

Label

Label displayed next to interaction icon.

Title \* Metadata

Used for searching, reports and copyright information

Untitled Multiple Choice

▶ Media

Question \*

**Available options \***

**Option**

**Text \***

Correct

▶ Tips and feedback

**Option**

**Text \***

The text field is required and must have a value.

Correct

▶ Tips and feedback

**ADD OPTION**

**Overall Feedback**

Define custom feedback for any score range  
Click the "Add range" button to add as many ranges as you need. Example: 0-20% Bad score, 21-91% Average Score, 91-100% Great Score!

**Score Range \***      **Feedback for defined score range**

0 %    -    100 %     ×

**ADD RANGE**      × Distribute Evenly

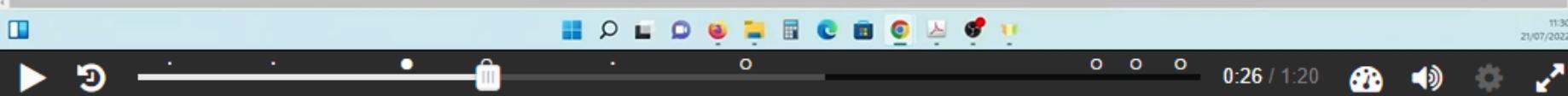
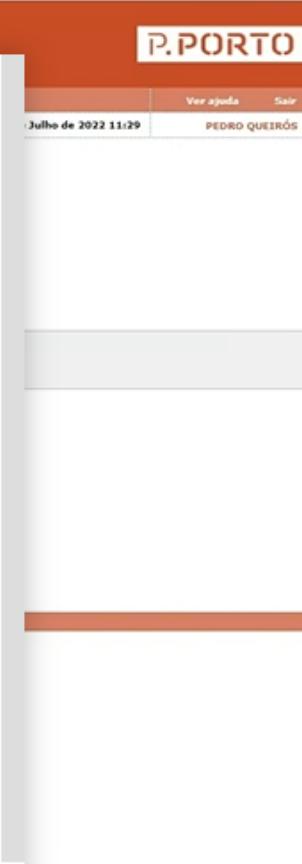
©GAIE/ISCAP

# Escolha Múltipla

Qual a sequência correta para poder criar a sua UC online?

- Separador Ano Letivo > Semestre > Moodle > Gestão
- Separador Gestão > Moodle > Ano Letivo > Semestre
- Separador Gestão > Ano Letivo > Semestre > Moodle

✔ Check



# Verdadeiro/Falso

Tutorial Moodle SO > True/False Question

Delete Done

Display time \*

0:00 - 0:10

Pause video

Display as

 Button

 Poster

Button is a collapsed interaction the user must press to open. Poster is an expanded interaction displayed directly on top of the video

Label

Label displayed next to interaction icon.

Title \* Metadata

Used for searching, reports and copyright information

Untitled True/False Question

Media

Question \*

# Verdadeiro/Falso

## Correct answer\*

True  False

### Behavioural settings

- Enable "Retry" button
- Enable "Show Solution" button
- Show confirmation dialog on "Check"
- Show confirmation dialog on "Retry"
- Automatically check answer

Note that accessibility will suffer if enabling this option

### Feedback on correct answer

This will override the default feedback text. Variables available: @score and @total

### Feedback on wrong answer

This will override the default feedback text. Variables available: @score and @total

### Adaptivity

Done

Delete

# Verdadeiro/Falso

The screenshot shows a Moodle course page with the title 'Verdadeiro/Falso'. The main content area contains the following text:

Para criar a sua UC no Moodle deve aceder ao Domus.

Two radio button options are displayed:

- True
- False

A large blue 'Check' button is centered below the radio buttons.

The Moodle footer includes links to P.Porto, ESCAP, br-on, Office365, Moodle 2021/2022, and Biblioteca ESCAP - pesquisa. It also displays the user's IP address (172.19.37.218) and the page load time (0.17 seconds).

The background of the slide features a watermark reading '©GAIE/ISCAP' diagonally across the center.

# Preenchimento de espaços

Tutorial Moodle SO PE01 Delete Done ↗

Display time \*  
1:12.656 - 1:13.656

Pause video

Display as  
  Button     Poster

Button is a collapsed interaction the user must press to open. Poster is an expanded interaction displayed directly on top of the video

Label  
Label displayed next to interaction icon.

Title \* Metadata  
Used for searching, reports and copyright information  
PE01

▶ Media

Task description \*  
A guide telling the user how to answer this task.  
Preencha os espaços em branco com a palavra correta.

## Text blocks \*

### Line of text



#### **i** Important instructions

**x** Hide

- Blanks are added with an asterisk (\*) in front and behind the correct word/phrase.
- Alternative answers are separated with a forward slash (/).
- You may add a textual tip, using a colon (:) in front of the tip.

Example:

H5P content may be edited using a \*browser/web-browser:Something you use every day\*.

Depois de criar a UC partilhada deve atribuir o papel de \*professor\* e no final verificar na plataforma \*moodle\* se ficou corretamente criada.

**ADD TEXT BLOCK**

### Overall Feedback

#### Define custom feedback for any score range

Click the "Add range" button to add as many ranges as you need. Example: 0-20% Bad score, 21-91% Average Score, 91-100% Great Score!

**Score Range \***

**Feedback for defined score range**

0 % - 50 %

Fill in the feedback



51 % - 100 %

Fill in the feedback



**ADD RANGE**

Distribute Evenly

ISCAP - On-Line

online.iscap.ip.pt/iscap/java/siw/de0f6732f783c750fc97fce7c1065eab/18576/574/p.html?numero=525&p\_ijn=true

INS  
SUS  
DE  
EA  
DO

- Escola
- Ficha de
- Secretaria
- Serviços
- Sistemas
- Gestão
- Gestão Moodle
- Lançamentos
- Unidades
- Listagens
- Mensagens
- SMS
- Área de Imprensa
- Mobilidade
- Sair
- Ano Letivo
- Nº Utilizadores
- no se

P. PORTO

Ver ajuda | Sair

Quinta, 21 de Julho de 2022 11:29 | PEDRO QUEIRÓS

Pesquisa

**Preencha os espaços em branco com a palavra correta.**

Depois de criar a UC partilhada deve atribuir o papel de  e no final verificar na plataforma  se ficou corretamente criada.

©GAIE||ISCAP

Check

11:31  
21/07/2022

1:12 / 1:20

# Arrastar e largar

Tutorial Moodle SO AP01 Delete Done ↗

Display time \*

1:15.632 - 1:16.632

Pause video

Display as

 Button     Poster

Button is a collapsed interaction the user must press to open. Poster is an expanded interaction displayed directly on top of the video

Title \* [Metadata](#)

Used for searching, reports and copyright information

AP01

▶ Media

Task description \*

Describe how the user should solve the task.

Arraste a palavra até ao espaço correto

## Text\*

### i Important instructions

[x Hide](#)

- Droppable words are added with an asterisk (\*) in front and behind the correct word/phrase.
- You may add a textual tip, using a colon (:) in front of the tip.
- For every empty spot there is only one correct word.
- You may add feedback to be displayed when a task is completed. Use '\+' for correct and '\-' for incorrect feedback.

#### Example:

H5P content may be edited using a \*browser:What type of program is Chrome?\*.  
H5P content is \*interactive\+Correct! \-Incorrect, try again!\*

Este \*tutorial\* descreve como criar uma \*UC\* na plataforma \*Moodle\* a partir da Secretaria \*Online\*

#### ▼ Overall Feedback

##### Define custom feedback for any score range

Click the "Add range" button to add as many ranges as you need. Example: 0-20% Bad score, 21-91% Average Score, 91-100% Great Score!

Score Range \*

Feedback for defined score range

0 %

- 25 %

Fill in the feedback



26 %

- 50 %

Fill in the feedback



51 %

- 75 %

Fill in the feedback



76 %

- 100 %

Fill in the feedback



**ADD RANGE**

Distribute Evenly

Arraste a palavra até ao espaço correto

Este [ ] descreve como criar uma [ ] na  
plataforma [ ] a partir da Secretaria [ ]

tutorial

Moodle

Online

UC

 Check

# Step 3 – Sumário

Step 1 Upload/embed video Step 2 Add interactions Step 3 Summary task

**Title \*** Metadata

Used for searching, reports and copyright information

Tutorial GAIE Moodle 22/23

**Introduction text \***

Will be displayed above the summary task.

Contacto GAIE

**Summary \***

Textual Default

**Set of statements**

List of statements for the summary - the first statement is correct.\*

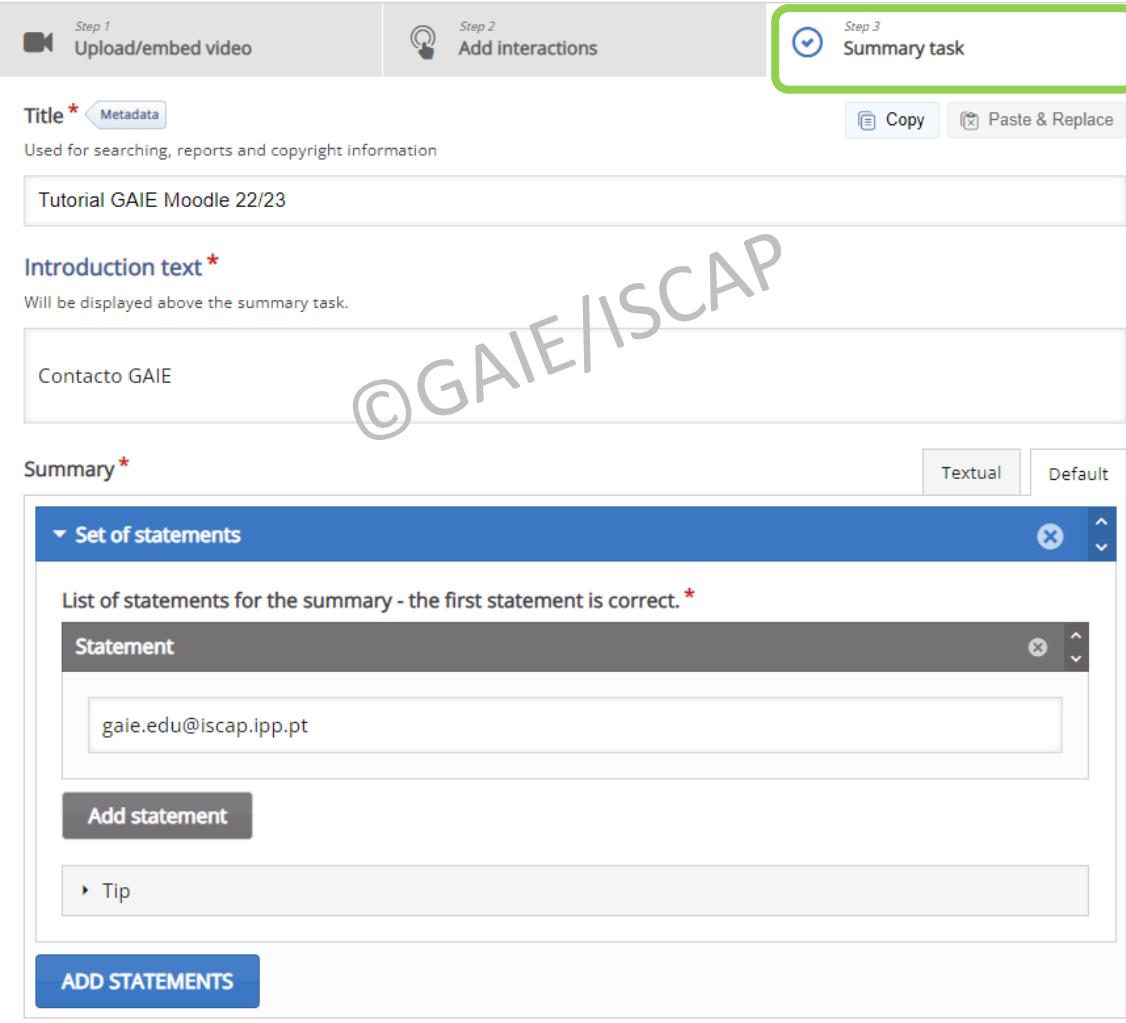
Statement

gaie.edu@iscap.ipp.pt

Add statement

Tip

ADD STATEMENTS



# Reutilizar

The screenshot shows an H5P interactive video player interface. At the top, a banner reads "Thank you for trying out H5P. To get started with H5P read our [getting started guide](#)". Below the banner, the video title is "Tutorial Moodle SO". The video content is a black screen with white text: "Explicação de como se cria uma UC no Moodle a partir da Secretaria Online". A large red arrow points from the "Reuse" and "Embed" buttons at the bottom left of the player to the "Reuse Content" and "Embed" pop-up windows respectively.

**Reuse Content** [More Info](#) X

**Download as an .h5p file**  
.h5p files may be uploaded to any web-site where H5P content may be created.

**Embed** X

**WARNING:** H5P.org is only for trying out H5P. The embed option will be limited soon. Do not use H5P.org to host real content. [Learn more](#)

<iframe src="https://h5p.org/h5p/embed/1352807" w...

Size: 1248 x 801 px

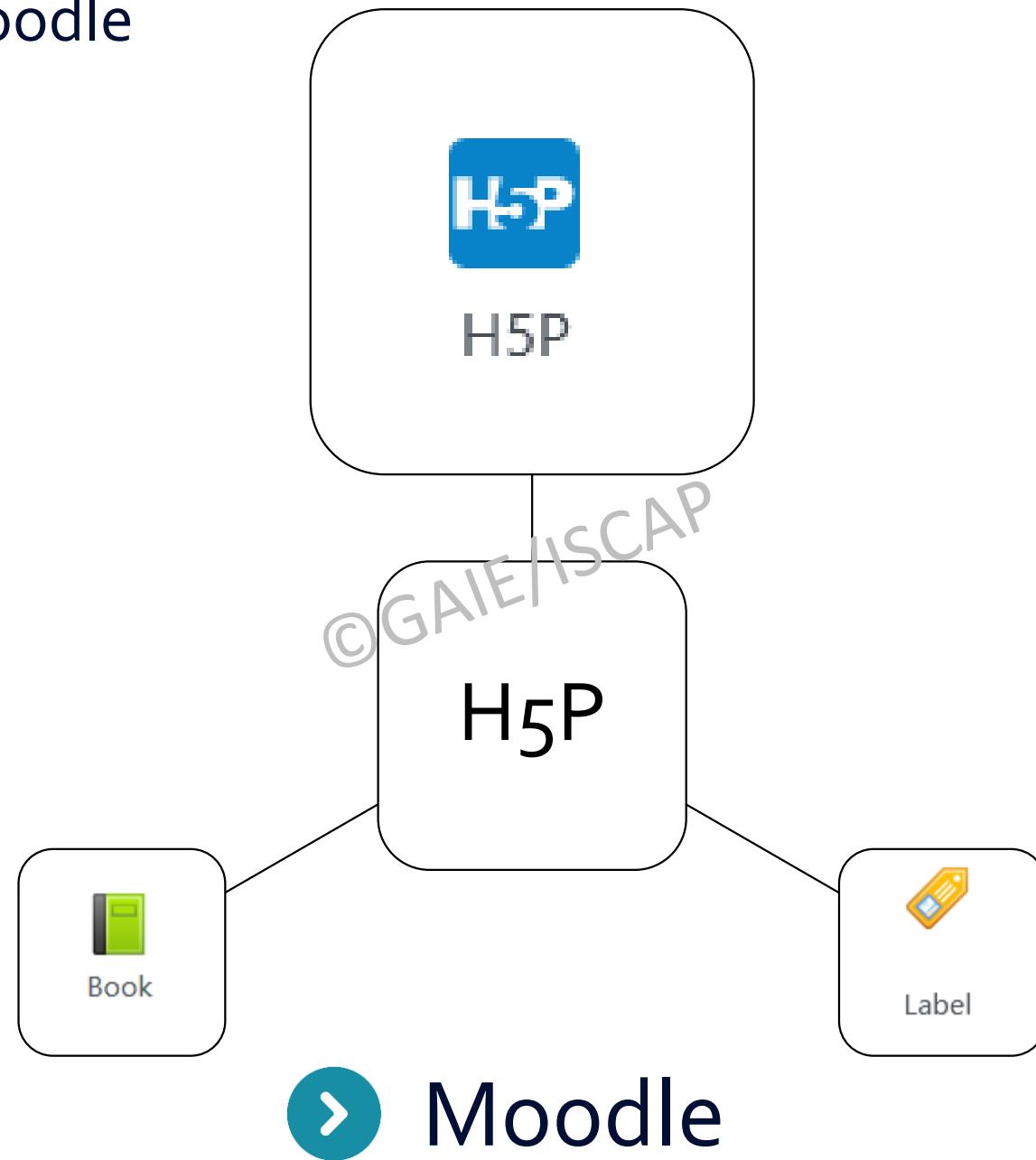
- Hide advanced

Include this script on your website if you want dynamic sizing of the embedded content:

```
<script src="https://h5p.org/sites/all/modules/h5p/lit...
```

# Integração no Moodle

---



# GAIE

## Núcleo de Educação



229 050 039



gaie.edu@iscap.ipp.pt



<https://www.iscap.pt/gaie/>

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