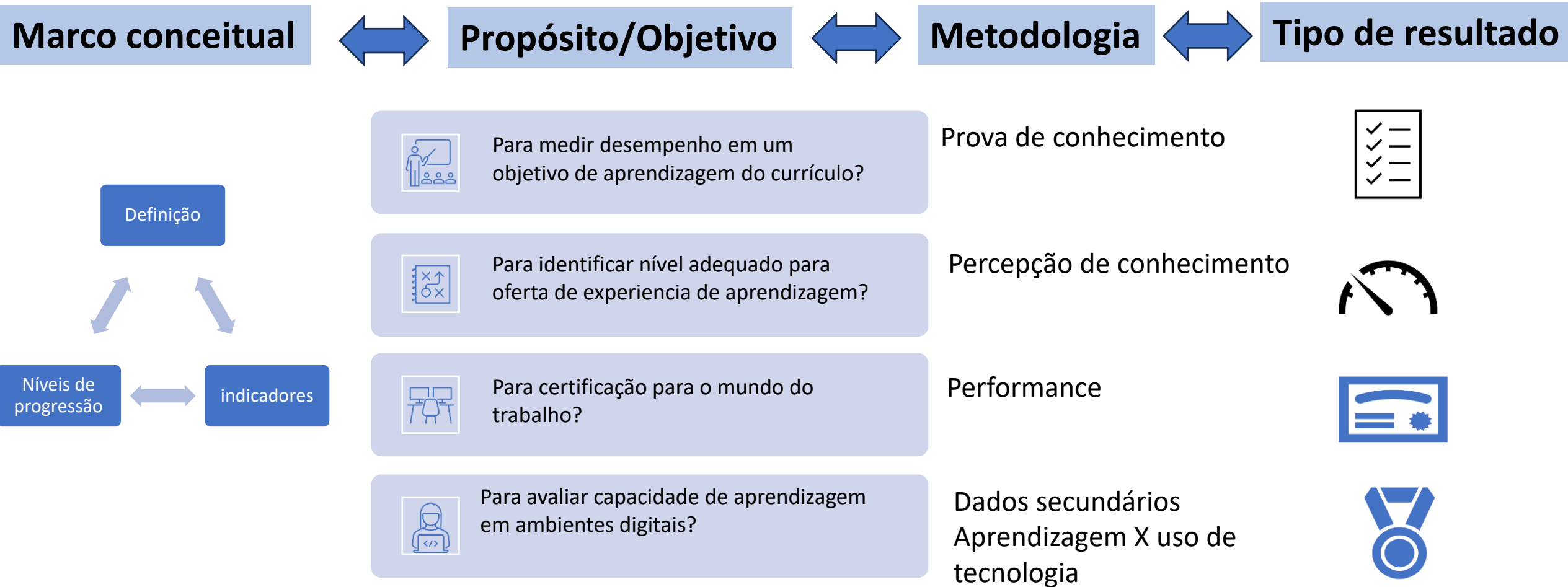# Ferramentas de Avaliação de Competências Digitais:
Case: Plataforma PIX

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Maio 2024

Perguntas orientadoras para análise de ferramentas de avaliação de competências digitais

Marco conceitual ⟷ **Propósito/Objetivo** ⟷ **Metodologia** ⟷ **Tipo de resultado**

Definição

Níveis de progressão ⟷ indicadores

Para medir desempenho em um objetivo de aprendizagem do currículo?

Prova de conhecimento

Para identificar nível adequado para oferta de experiencia de aprendizagem?

Percepção de conhecimento

Para certificação para o mundo do trabalho?

Performance

Para avaliar capacidade de aprendizagem em ambientes digitais?

Dados secundários Aprendizagem X uso de tecnologia

pix

Pix é uma ferramenta online desenvolvida para autoavaliação e certificação de competências digitais.

Desenvolvida por uma organização sem fins lucrativos por meio de parcerias com o Ministério de Educação da França, especialistas e representantes de escolas públicas

About us

Founded in 2016, Pix is a non-profit, French-based public organisation aiming to improve digital literacy across the globe. Our structure is bringing together various French and international public stakeholders involved in education and professional training.

Behind Pix is a team of 100 experts from various fields, all driven by a common goal: help everyone assess and improve their digital skills to use them in any setting!

A global educational common good

①
Universal
3 general interest missions embodied by a single platform open to all

Avaliar + Desenvolver+ Certificar

②
Free and open-source
A platform developed as a free and open-source software through agile practices.

③
Co-constructed
The result of 4 years of co-construction with teachers, students, and professionals. Any user can suggest improvements.

https://pix.org/en-gb

Foi lançada pelo Ministério da Educação, Juventude e Desporto francês em 2020 com o objetivo de promover competências digitais na população.

Indivíduos podem medir as suas competências digitais, validá-las através de certificação e desenvolvê-las por meio de cursos e tutoriais

O Pix foi projetado para ser acessível a todos os indivíduos, independentemente do seu nível de escolaridade ou situação profissional, e o registro é gratuito.

Develop your digital skills

Pix is an online platform open for everyone to assess, develop, and certify your digital skills

Sign up for free   Watch the video

Test your skills

Create your personal account and improve your skills with fun, interactive challenges

Learn at your own pace

Develop the digital skills essential to your everyday life

Showcase your skills

With the Pix Certification, your skills are recognised in France and throughout Europe (DigComp)
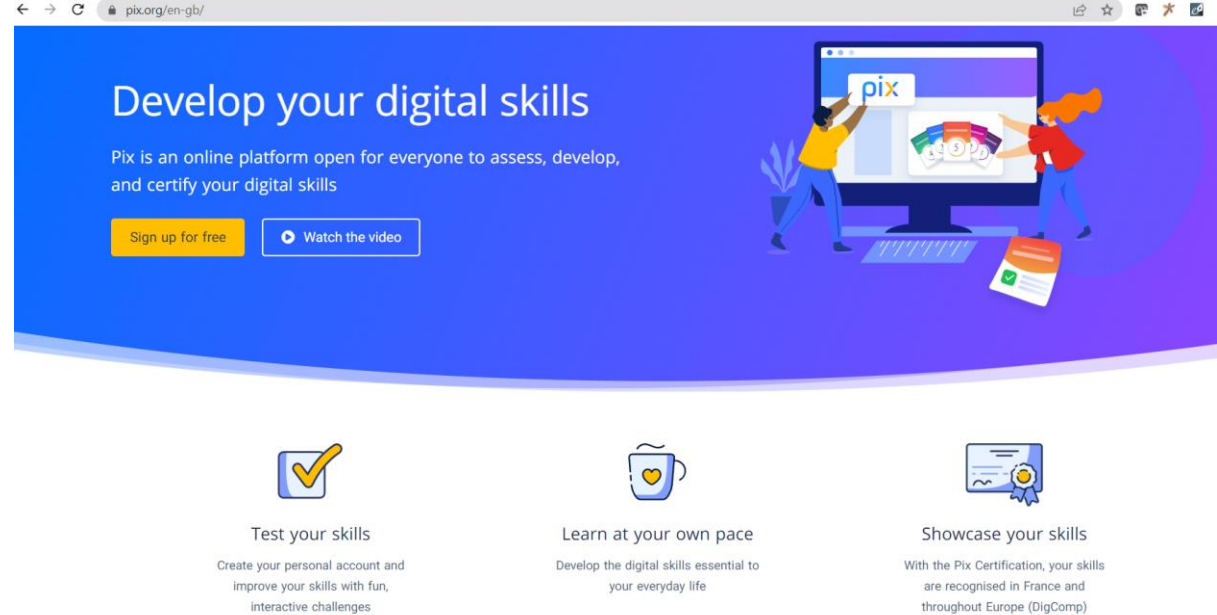
6 million
active users

75,000+
users every day

4 million
certifications taken

- ✓ Pix avalia competências digitais através de uma abordagem gamificada e personalizada com foco e conhecimento e competência.

- ✓ Os indivíduos enfrentam desafios da vida real utilizando competências digitais.

- ✓ As perguntas são adaptativas e as respostas incorretas vinculam-se a recursos de aprendizagem relevantes.

- ✓ Os professores podem realizar campanhas de avaliação para seus alunos, permitindo-lhes monitorar a participação individual e o perfil de habilidades de cada aluno

Marco conceitual sólido e transparente: DigComp 2.0

pix

LEVEL 4 REACHED!
4 Completing a search and information intelligence

LEVEL 3 REACHED!
3 Completing a search and information intelligence

Information and data
Search engines, information intelligence, fake news, organising files, using a spreadsheet...

Communication and collaboration
Emails, calendars, social media, collaborative work and document sharing platforms, digital public services...

Content creation
Editing text, image, sound and video files, copyright, programming...

5 áreas/dimensões e 16 competências

Protection and security
Personal data, accessibility, workstation ergonomics, cybersecurity, environmental impact of digital technology, cyberbullying...

Digital environment
Solving technical problems, operating systems, IT and equipment, the history of IT...

https://pix.org/en-gb/
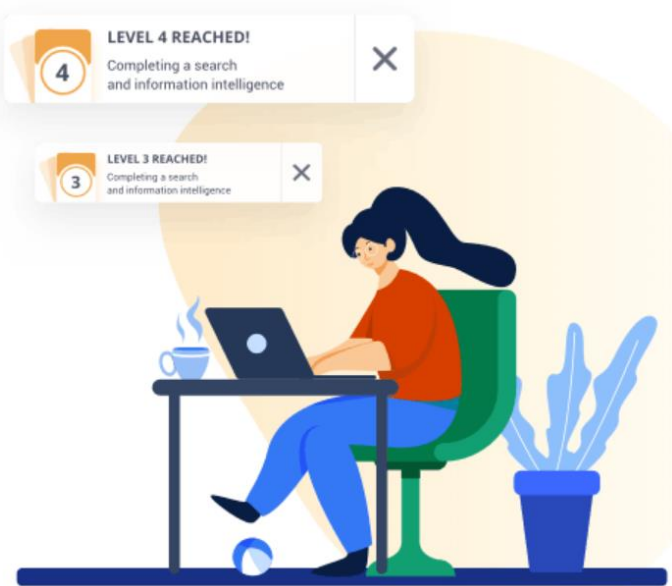
Marco Conceitual: Níveis de competência e progressão por dimensão

What's behind a Pix level?

Beginner

- **Level 1:** Even if you need a little help from time to time, you've g[o] basics down.
- **Level 2:** You've got the basics down, you don't need much to be independent.

Independent

- **Level 3:** Even on your own, you do well in familiar situations.
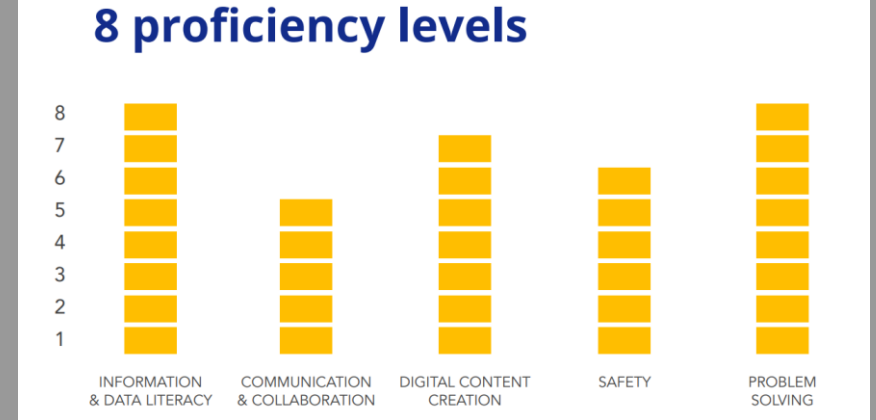- **Level 4:** You are independent in all common situations. The digita opens up for you!

Advanced

- **Level 5:** You are comfortable with digital technology, even off the track.
- **Level 6:** Very proficient. You are often asked for help, aren't you?

Expert

- **Level 7:** A new, unpredictable or difficult situation? Nothing can r You use digital technology in
- **Level 8:** You do not only us develop new solutions: you e What an expert ;)

Level 8 is coming soon! Only le[v]

8 proficiency levels

| | INFORMATION & DATA LITERACY | COMMUNICATION & COLLABORATION | DIGITAL CONTENT CREATION | SAFETY | PROBLEM SOLVING |

The proficiency levels in Pix

1-2	Beginner
3-4	Independent
5-6	Advanced
7-8	*Expert (not available yet)*

At any level

From beginner to expert

Pix is accessible at any level, from the most basic to the most elaborate questions.

An adaptive algorithm

The level of difficulty of the questions is adjusted to your level after each to help you improve faster. When you succeed, you move up to higher lev you have difficulties, you'll get questions that are within your reach.

An evolutive framework

Technologies and uses evolve: our questions and framework too!
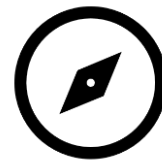
Propósito/Objetivo

Avaliação
competências digitais

Desenvolvimento

Certificação

pix

Test your skills

Create your personal account and improve
your skills with fun, interactive challenges

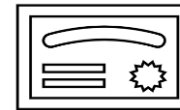### Learn at your own pace

Develop the digital skills essential to your
everyday life

Showcase your skills

With the Pix Certification, your skills are
recognised in France and throughout
Europe (DigComp)

Metodologia

Auto-avaliação com questões de **conhecimento** e **performance** formuladas a partir de desafios reais e bem contextualizados

pix

Play an active part in your learning experience!

Providing proof

Carry out a task in your own digital environment, outside of the platform, and then report the answer on Pix!

Recreating real-life situations

Immersed in a situation inspired by real life, you are looking for the solution that applies to this context.

Interactive challenges

In an actual simulator under the exercise, you will carry out a task in an interactive zone, without having to leave the platform.

Digital knowledge

Answer questions with your own digital knowledge or look for it on the internet.

PIX avalia oque você **sabe**, oque você **consegue fazer**, e **sua habilidade em identificar as implicações** da ação digital por meio de situações reais, resolução de problemas, e desafios e pesquisa.

Learners can test and develop their skills in two ways

You have 16 competences to test.
Get your thinking hat on and off we go!

PIX
468
1024

INFORMATION AND DATA
Completing a search and information intelligence
LEVEL
3

INFORMATION AND DATA
Data management
LEVEL
3

INFORMATION AND DATA
Data processing
LEVEL
2
Resume

Angelina, enter your code

This code contains 9 letters and/or numbers. It is given by your school/organisation and can be used to start a customised test or to submit your profile

Start

If you are not Angelina Tessier, please log out

What is a customised test code and how do I use it?

In autonomy

By clicking on a competence of their choice in their Pix account, to practice independently

or

Through a test prescribed by an organisation

By entering the code (or the url link) provided by their organisation to complete a test and transmit their results

In both cases, they progress through the levels and earn pix.

Tipo de Resultado

Indivíduos
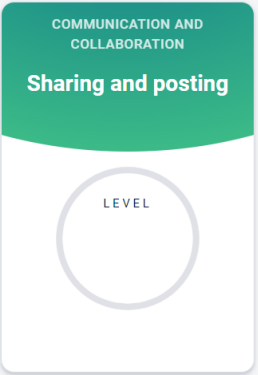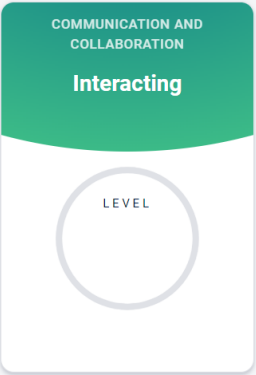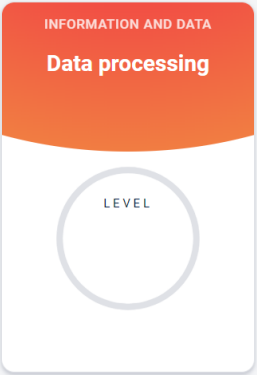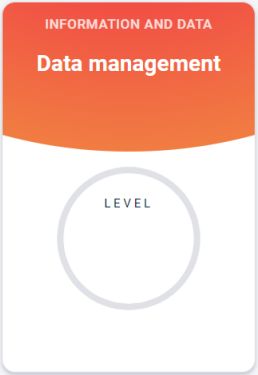
Tipo de Resultado: Professores

Pix Orga: a dashboard for trainers

CREATE EVALUATION CAMPAIGNS
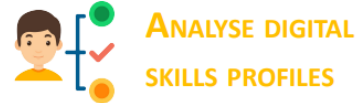
- **Define** digital skills profiles
- **Choose** the profiles to be tested
- **Customise** messages and the landing page

MANAGE THE CAMPAIGNS

- **Invite** users to join the tests
- **Monitor** progress and manage follow-up actions

ANALYSE DIGITAL SKILLS PROFILES

- **Access** learners' detailed digital skills profile to provide them with valuable support
- **Analyse** consolidated results and data

Pix Orga, the turnkey online dashboard for managing your tests

While your learners test their digital skills on Pix, track their progress with Pix Orga, your dedicated dashboard. Identify your learners' needs, strengths and weaknesses, and evaluate their progress!

Tipo de Resultado: Setorial

Discover Pix Pro   Business   Public sector   Education   Go back to Pix
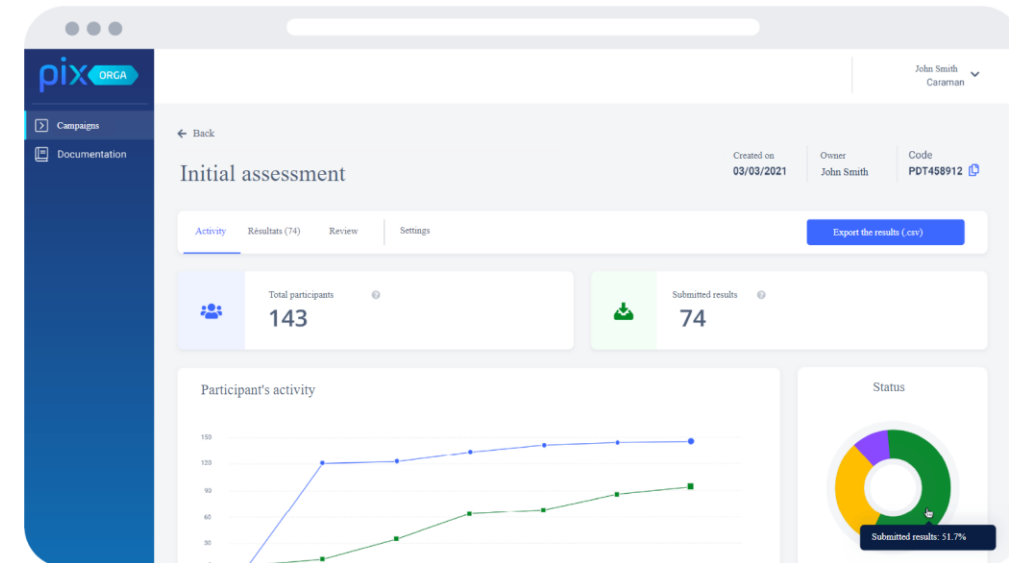
Develop your learners' digital skills

Build your learners' essential digital skills throughout their education

Pix is implemented with pupils from the start of secondary school – the 6th grade will be integrated into the scheme at the beginning of 2023 – through to higher education, in general and vocational courses. It provides for certification at key points in the schooling process.

Universities, schools and training organisations that innovate with Pix

CNTE
المركز الوطني للتكنولوجيات في التربية
Centre national des technologies en éducation

Hes·so
Haute Ecole Spécialisée
de Suisse occidentale

SORBONNE
UNIVERSITÉ

Aix Marseille
université
Socialement engagée

Assess, develop, and certify the digital skills of your learners

Secondary education

From looking for information on the web and preparing a presentation to managing their privacy on social media, digital skills are more necessary than ever for students' learning: help them become citizens who are aware of digital issues.

Higher education

Attending a lecture online, handing in assignments online, looking for an internship or a first job... Support your students in developing and promoting their digital skills, essential for their studies and their future career.

Vocational training

Using office and collaborative tools, understanding the concept of digital identity, protecting data and privacy in the working world... Help your learners to acquire the digital skills they need in the workplace.
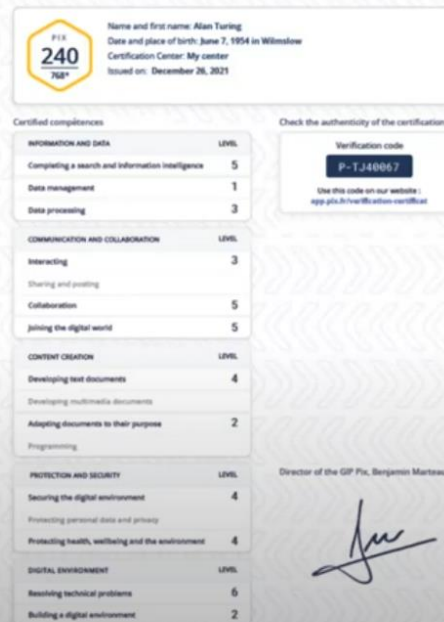
Tipo de resultado: Certificação

To sum up: 3 complementary Pix platforms

For learners

To take the test

pix

For teachers, trainers or HR teams

To create and manage test campaigns and analyse participants' results

pix ORGA

For certification centres

To create and manage a certification session

pix CERTIF

Experiências internacionais com o PIX

Principais Características da Plataforma PIX

Marco conceitual consistente

Plataforma atraente e fácil de usar

Tarefas de teste atualizadas com progressão adaptativa

Análise de dados/comparação de desempenho pessoal e de grupo

Plataforma integrada para testar, aprender e adquirir credenciais para habilidades digitais

Operado por uma organização com agilidade e excelência técnica,mas com parcerias com governos e organizações internacionais

Diferenciais da Plataforma PIX para Educação

- Gratuito e acessível a todos os professors, estudantes e escolas;

- Avalia competências digitais numa vasta gama de áreas, tais como criação de conteúdos online, segurança informática, análise de dados, etc.

- Permite que o usuário acompanhe seu progresso e indica áreas-alvo para desenvolvimento;

- Permite que professores acompanhem o desenvolvimento das competências digitais dos estudantes e identifiquem áreas para formação.

Obrigada!

Mais informações em www.pix.org

https://www.youtube.com/watch?v=eRkZTKix8jg