Utilising DigComp 2.1 for Digital Inclusion in Communities

An Cosán Presentation

Mark Kelly

Digital Inclusion Coordinator

AnCoSán

The Path to Learning, Leadership & Enterprise

Mark Kelly

Digital Inclusion Coordinator, An Cosán

Mark oversees the development and roll out of our Digital Inclusion activities including the Digital Stepping Stones assessment tool and Accenture's Skills to Succeed Academy across Ireland.

Mark is an advocate for digital inclusion and tackling the digital divide in the community sector.

- With over six years experience in the community sector, Mark also has over 10 years experience in PR, Marketing & Advertising
- He holds an MA in Learning and Teaching (MALT) as well as qualifications in Learning and Development, Transformative Community Education, Digital Marketing and Public Relations.

About An Cosán (*The Path*)

35 YEARS...

…*"if poverty is to be transformed, then education is key"*…

191

Community partners in our national network!

Educational Technology

ADULT COMMUNITY EDUCATION

Transforming lives through Face-to-Face and Online Community Education

EARLY YEARS EDUCATION

Providing the highest quality early years education & care so our children have the best start in life

COUNSELLING, FAMILY SUPPORT, MENTORING, COACHING, TUTORING, INTERNSHIPS

Providing the supports learners and families need to achieve their best outcomes

IN 2018, IRELAND RANKED BELOW THE EUROPEAN AVERAGE OF 57% FOR BASIC DIGITAL SKILLS

% of the adult population with at least basic digital skills across Europe (2018)
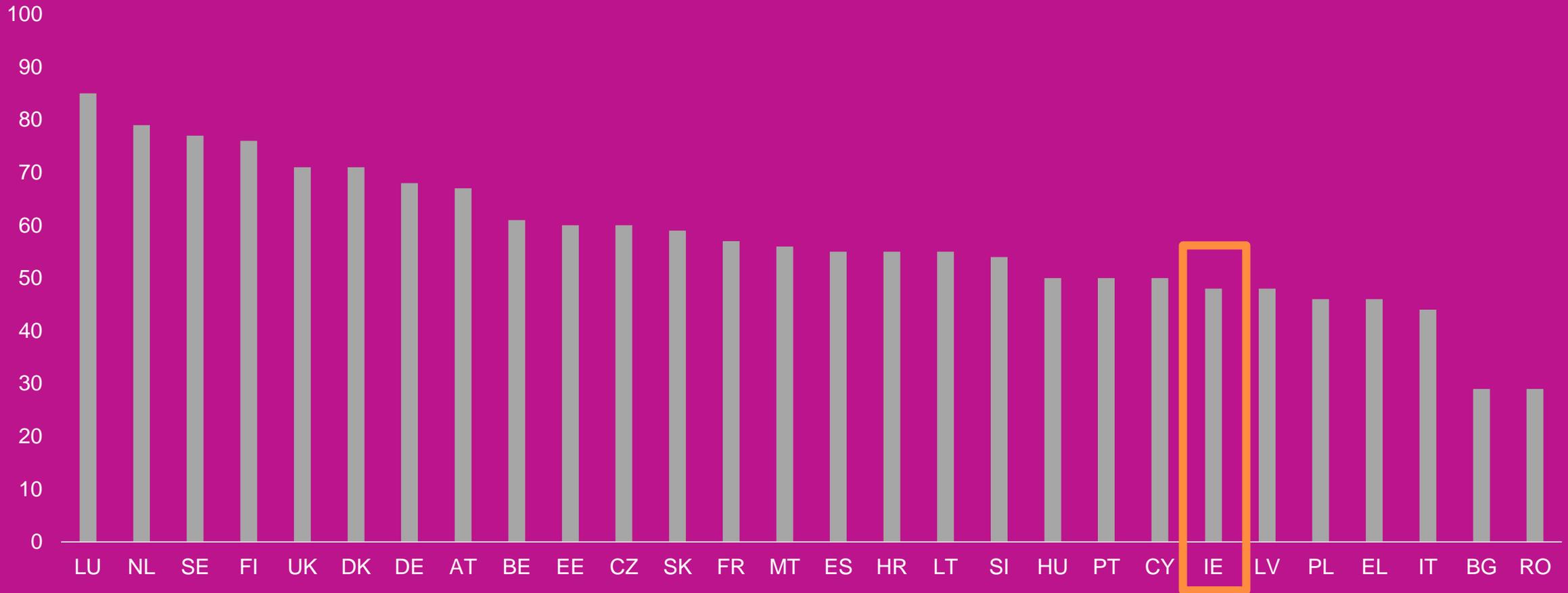
ACCENTURE & AN COSÁN –

A COMMUNITY / CORPORATE PARTNERSHIP DEDICATED TO IMPROVING DIGITAL & EMPLOYMENT SKILLS FOR 10 YEARS SET OUT TO FIND OUT WHY…

9/10

of jobs <u>in the future</u> will require some level of digital skills…

…while only **half**

of Ireland's adult population have at least **BASIC DIGITAL SKILLS** today

50 %

5

Republic has one of the lowest levels of basic digital skills

European Commission published 2018 Digital Economy and Society Index on Friday

Fri, May 18, 2018, 13:48

Forbes

EDITORS' PICK | 140 views | Jun 30, 2020, 06:38am EDT

Digital Divide Becomes 'Chasm' As Covid-19 Pandemic Drags On

Pedro Nicolaci da Costa Senior Contributor
Markets
I have been writing about economics, markets and the Fed since 2001.
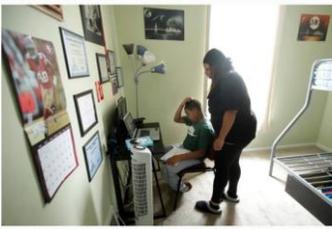
THE IRISH TIMES

BreakingNews.ie

Ireland   Business   World   Showbiz   #Discover   Sport   Tech
Coronavirus   Government Formation   Insolvency   Siteserv sale

Closing digital divide must be top priority: Tim Berners-Lee

Facebook   Twitter   Messenger   WhatsApp   + More   ← PREVIOUS   NEXT →

12/06/2020 - 07:44:00   Back to Tech World Home

By Press Association

World wide web inventor Tim Berners-Lee has said the Covid-19 pandemic demonstrates "the gross inequality" of a world where almost half the population is unable to connect to the internet.

He told a high-level UN meeting that "our number one focus must be to close the digital divide".

THE IRISH TIMES   Thu, Jul 2, 2020

NEWS   SPORT   BUSINESS   OPINION   LIFE & STYLE   CULTURE

Education › Student Hub | 2nd Level Hub | Parents

Students risk losing out as online teaching creates 'digital divide'

Many do not have access to broadband or teachers are ill-equipped to teach remotely

Mon, Mar 23, 2020, 02:15

Carl O'Brien, Michaelle McBride

Covid-19 exposed 'digital divide' facing parents

The main digital constraints were access to devices, dependency on one device, and data access, where many parents only had phone data bundles insufficient for the bandwidth demands of remote learning, the study found.

World wide web inventor Tim Berners-Lee has said the Covid-19 pandemic demonstrates "the gross inequality" of a world where almost half the population is unable to connect to the internet.

He told a high-level UN meeting that "our number one focus must be to close the digital divide".

Digital Inclusion is not just an Irish challenge…

DIGITAL DIVIDE

THE IRISH TIMES

Republic has one of the lowest levels of basic digital skills

European Commission published 2018 Digital Economy and Society Index on Friday

Fri, May 18, 2018, 13:48

DigComp 2.1

The Digital Competence Framework for Citizens

With eight proficiency levels and examples of use

SUSTAINABLE DEVELOPMENT GOALS

| 1 NO POVERTY | 4 QUALITY EDUCATION |
| 8 DECENT WORK AND ECONOMIC GROWTH | 10 REDUCED INEQUALITIES |
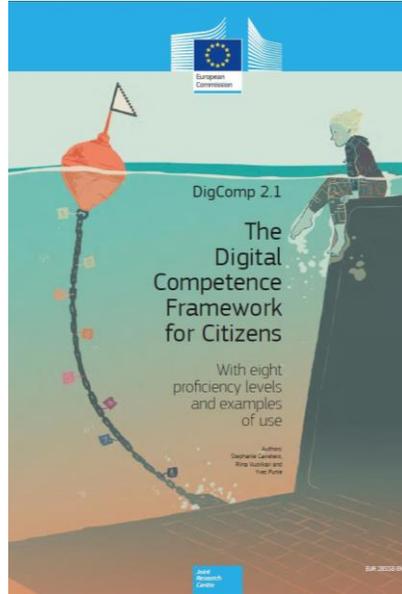
Digital competence is "**a universal and basic need** for all citizens for **working, living and learning** in the knowledge society" – *European JRC*

4 QUALITY EDUCATION

ENSURE INCLUSIVE AND EQUITABLE QUALITY EDUCATION AND PROMOTE LIFELONG LEARNING OPPORTUNITIES FOR ALL

What did we do…

- **Research, market scans & testing** for suitable assessment solutions, skills framework analysis, training needs analysis, community-based consultations…

- **Learner workshops** – to adapt DigComp into real-world context based on community-user experiences (UX)

- **Ed & Ed Tech workshops** with Accenture technical development teams – prototype launch

- **MVP** – develop a **proof of concept**

- Created a **national - targeted - train-the-trainer programme** for tutors in community organisations & FET sector

- Raised **awareness** and harvested **feedback**

About DigComp 2.1…

The 'European Digital Competence Framework for Citizens', also known as DigComp, was developed to offer a framework to improve citizens' digital competence.

There are five different areas encompassing 21 different skills which create the framework for understanding the digital skills needed for life, work and learning.

THE DIGITAL COMPETENCE FRAMEWORK FOR CITIZENS
THE COMPETENCES

5 AREAS

21 COMPETENCES

Competence area 1: Information and data literacy

- 1.1 Browsing, searching, filtering data, information and digital content
- 1.2 Evaluating data, information and digital content
- 1.3 Managing data, information and digital content

Competence area 2: Communication and collaboration

- 2.1 Interacting through digital technologies
- 2.2 Sharing through digital technologies
- 2.3 Engaging in citizenship through digital technologies
- 2.4 Collaborating through digital technologies
- 2.5 Netiquette
- 2.6 Managing digital identity

Competence area 3: Digital content creation

- 3.1 Developing digital content
- 3.2 Integrating and re-elaborating digital content
- 3.3 Copyright and licences
- 3.4 Programming

Competence area 4: Safety

- 4.1 Protecting devices
- 4.2 Protecting personal data and privacy
- 4.3 Protecting health and well-being
- 4.4 Protecting the environment

Competence area 5: Problem solving

- 5.1 Solving technical problems
- 5.2 Identifying needs and technological responses
- 5.3 Creatively using digital technologies
- 5.4 Identifying digital competence gaps
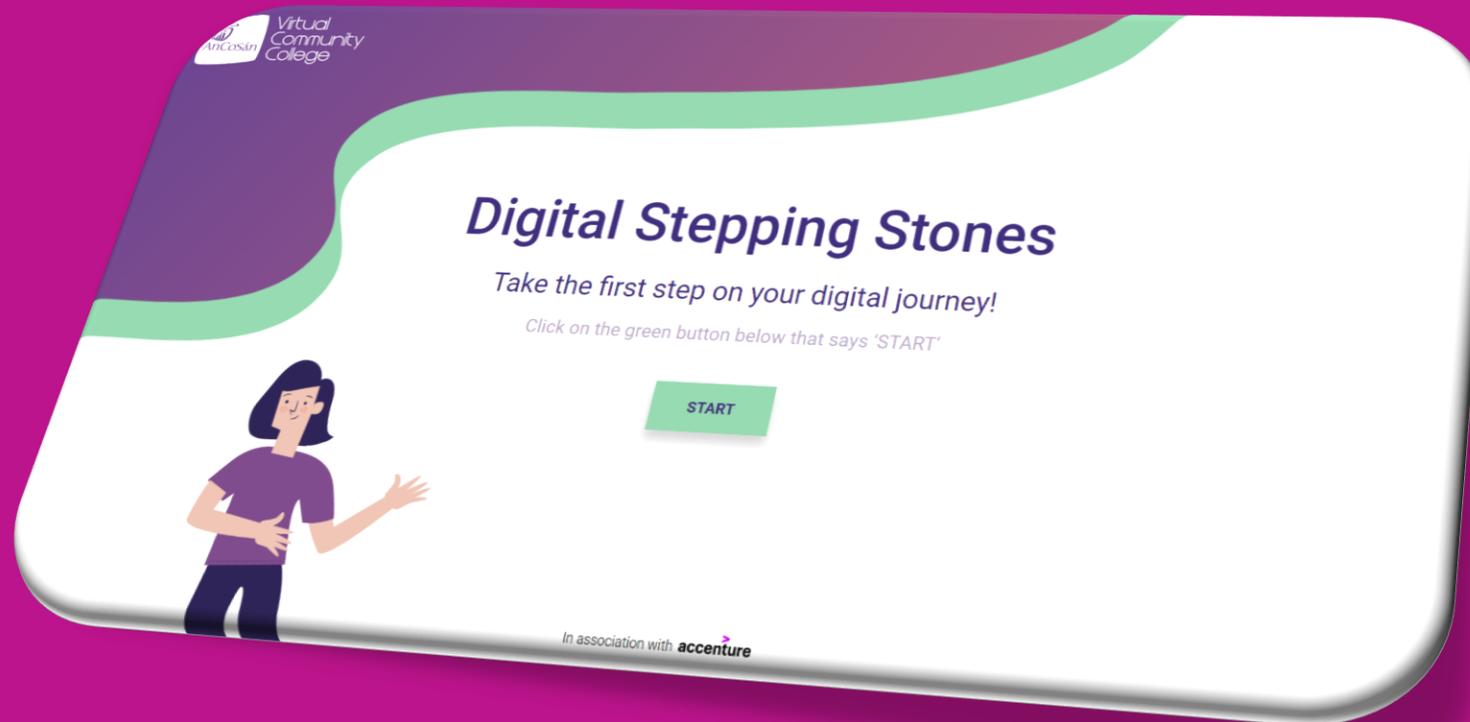
Digital Stepping Stones…

A **Digital Assessment** Tool to encourage a 'Growth Mindset' towards **Lifelong Digital Learning** in Adult & Community Learners

We wanted to help people take the first step to...

- <u>understand</u> their current digital capability

- <u>appreciate</u> the digital skills they have

- see how their initial skills can be <u>transferab...</u>

- appreciate there are <u>a range of competenc...</u> needed in the 21st century

- and <u>fill any gaps</u> in their basic digital skills

In 2019, An Cosán envisioned an Ireland where everyone can avail of the life-enhancing benefits of having the digital skills they need!...

Today over **5,300** people have used our Digital Stepping Stones assessment tool **to understand their personal level of digital competence**... and their gaps!

How does Digital Stepping Stones help?

Our DigComp digital inclusion model uses 'assessment-for-learning'

5 Areas 21 Competences

1. How I Feel

2. My Skills

Yes I definitely can

I think I can

I'm not sure I can

No, I definitely can't

Personalised Results

No registration – simply click start...

Digital Stepping Stones
Take the first step on your digital journey!
Click on the green button below that says 'START'
START
In association with accenture
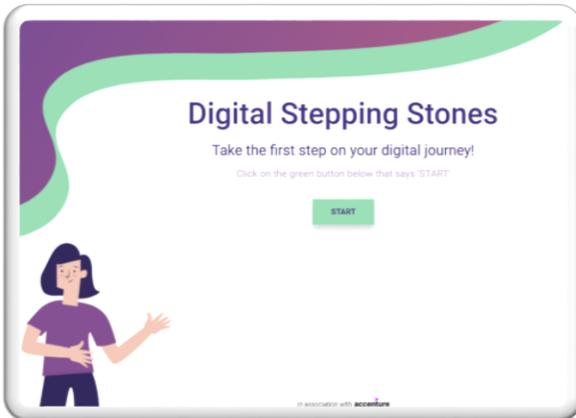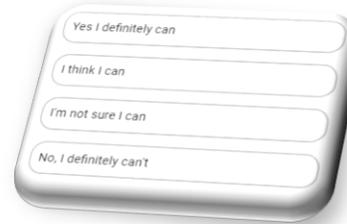
Approx. 15 mins to complete

Here are your results!

Information & Data Literacy
How I feel
My Skills
You're Making Progress

Communication & Collaboration
How I feel
My Skills
You're Making Progress

Digital Content Creation
How I feel
My Skills
You're on Your Way

Safety
How I feel
My Skills
You're on Your Way

Problem Solving
How I feel
My Skills
You're on Your Way

Level of digital confidence

Level of digital competence
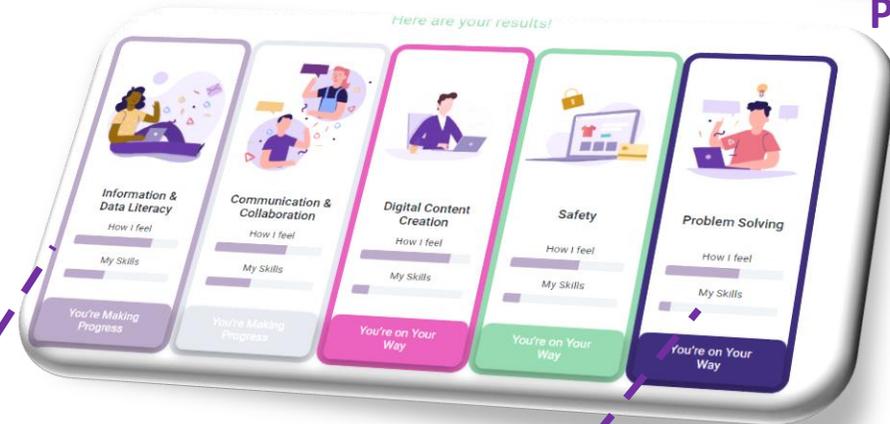
Ready To Take The Next Digital Step?
Well done on completing the quiz. Now, why not take the next step on your digital stepping stones with some of the learning links below tailored just for you!

Information & Data Literacy

Communication & Collaboration
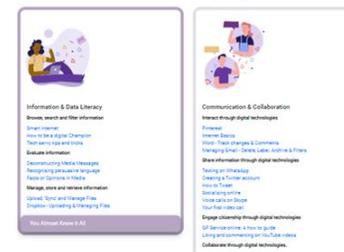
Personal learning links

Personalised Set of Results

Well done Steven!

Here are your results!

Information & Data Literacy	Communication & Collaboration	Digital Content Creation	Safety	Problem Solving
How I feel	How I feel	How I feel	How I feel	How I feel
My Skills	My Skills	My Skills	My Skills	My Skills
You're on Your Way	You're on Your Way	You're on Your Way	You're on Your Way	You're on Your Way

Digital Content Creation

How I feel

My Skills

You're on Your Way
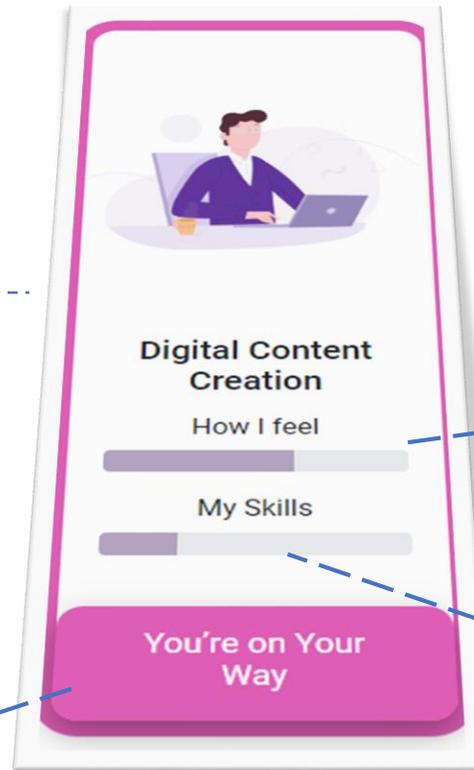
An algorithm generates a results page
- correlating the answers from 'How I Feel' against 'My Skills'
- so it's easy to see if a learner's digital confidence matches their digital knowledge
- across each of the five DigComp competence areas.

The result here shows that a learner has a greater level of confidence in their ability than is seen in the My Skills result.

Where a learner's results show a low bar, this indicates an opportunity to focus a learning plan towards improving digital knowledge or skill in that competence area.

Results are communicated in a positive, growth-orientated way

Communicating results for a Growth Mindset...

	Information & Data Literacy	Communication & Collaboration	Digital Content Creation	Safety	Problem Solving
How I feel					
My Skills					
	You're Making Progress	You're Making Progress	You Almost Know it All	You're in a Great Place	You're in a Great Place
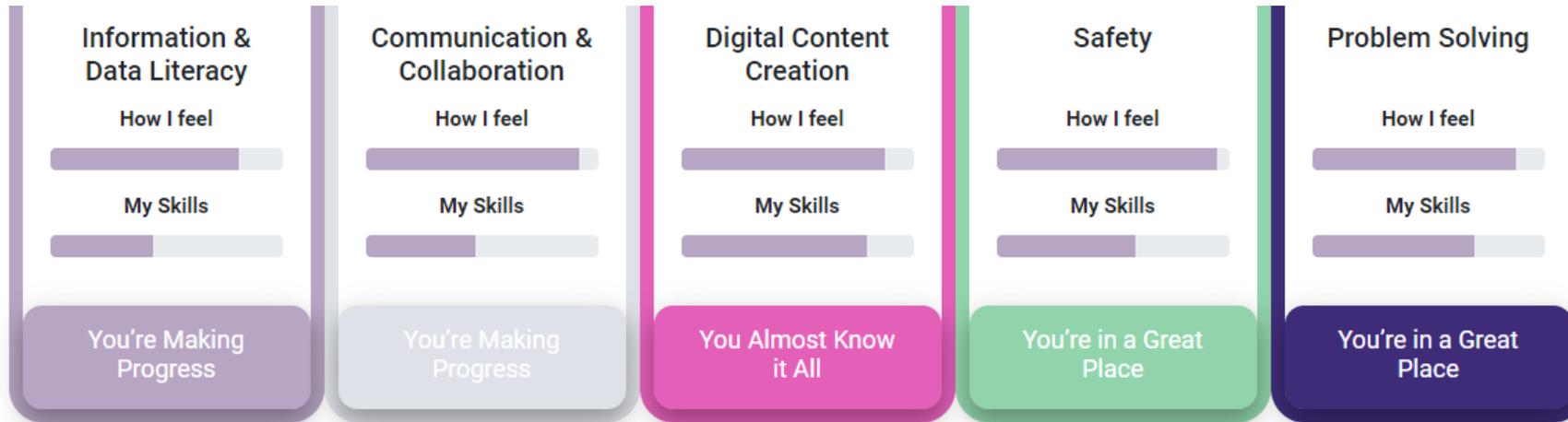
My Skills Score	Output Text
0-25	You're on Your Way
25-50	You're Making Progress
50-75	You're in a Great Place
75-100	You Almost Know it All

Detailed results sent by email link to tutor & learner...

In the detailed report,
- the correct answers are highlighted on the left column
- making it easy to see where a learner may have selected an incorrect answer,
- or only part of the answer
- This would indicate a learner may benefit from further learning in this area

Left side = correct options

Right side = Learner selection

Correct Answers

Your Answers

A search engine is used to look things up online

If you wanted to know th... capital of Denmark... of the followi... engin... ...answer? ...ect all that apply)

Bing	Bing
Google	Google
Microsoft	Microsoft
Yahoo	Yahoo

Partially correct

Domain is the name given to a website address (E.g. www.google.com). Some domains should be trusted less than others.

Besides .com... domain... ...st? ...t apply)

.gov	.gov
.edu	.edu
.ninja	.ninja
.ie	.ie

Correct

When na... ... ...apply)

Keep the name consistent with other related files	Keep the name consistent with other related files
Call it anything using random letters and numbers	Call it anything using random letters and numbers
Make the name meaningful to you and others who might use it	Make the name meaningful to you and others who might use it
Choose a name that allows you to find the file easily	Choose a name that allows you to find the file easily

No match = Incorrect

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FET & community sector practitioner feedback...

"This will **probably come to be a standard tool for digital assessment across the entire country**. Well done on a fantastic piece of work!" (ETB *Donegal*)

"I think it would be **very useful for the Guidance workers and Community Development team**." (Local Development, *Wexford*)

"**I am directing learners to it**, as part of the process of being considered for a device loan, **to support blended learning**"... (ETB, *Limerick*)

"Digital Stepping Stones is **a great tool for ETBs to use with learners & staff**." (ETB, *Cork*)

"Our ICT instructor is **completing it with learners as part of our ongoing induction programme**." (CTC, *Dublin*)

"I feel Digital Stepping Stones will be **a great asset** to us" (YouthReach, *Dublin*)

"The Digital Stepping Stones is a great help. **It is very user friendly**. The hyperlinks section will be so useful." (FRC, *Meath*)

So what's the next step on the Digital journey?...
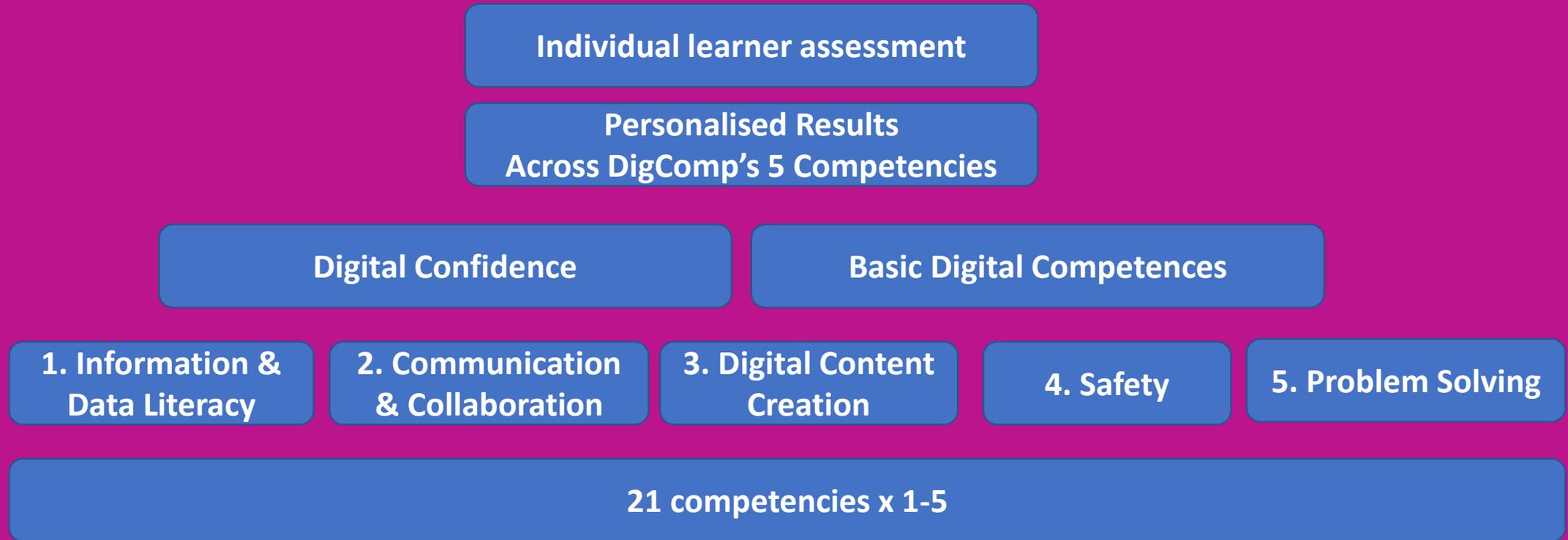
Individual learner assessment

**Personalised Results
Across DigComp's 5 Competencies**

Digital Confidence

Basic Digital Competences

1. Information & Data Literacy

2. Communication & Collaboration

3. Digital Content Creation

4. Safety

5. Problem Solving

21 competencies x 1-5

1.1 Browsing, searching, filtering data, information and digital content
1.2 Evaluating data, information and digital content
1.3 Managing data, information and digital content

- 2.1 Interacting through digital technologies
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- 5.2 Identifying needs and technological responses
- 5.3 Creatively using digital technologies
- 5.4 Identifying digital competence gaps

Developing 21 E-learning mini-modules...
One for each DigComp competence

Welcome to the Evaluating Data, Information and Digital Content lesson

GET STARTED

In this lesson, we will look at why evaluating information is an important part of the digital literacy process and learn some ways to assess information.

There are five parts in this lesson. You will need to complete all of them. This should take you approximately 10 minutes.

Scroll down the page and select Introduction to begin.

An Cosán

Today's digital landscape offers us extraordina... resources for learning. The information that w... not always accurate or high-quality.

- Introduction
- What is evaluating data/information/digital c...
- How to evaluate information
- Practice
- Conclusion

Welcome to the Evaluating Data, Information and Digital Content lesson

0% COMPLETE

- Introduction
- What is evaluating data/information/digital content and w...
- How to evaluate information
- Practice
- Conclusion

Learning outcomes

By the end of this lesson, you should be ab...

- Explain why evaluating informa...
- Understand what a trusted sou...
- Compare and contrast betweer...
- Use at least one technique to p...
- Apply the practice of critical thi... online

Welcome to the Evaluating Data, Information and Digital Content lesson

0% COMPLETE

- Introduction
- What is evaluating data/information/digital content and w...
- How to evaluate information
- Practice
- Conclusion

Congratulations! You have almost completed this lesson.

All you have to do now is select all of the learning outcomes you feel you have achieved.

- ☐ I can explain why evaluating information is important
- ☐ I understand what a trusted source is
- ☐ I can compare and contrast between reliable and unreliable sources
- ☐ I can use at least one technique to perform an evaluation of information
- ☐ I can apply the practice of critical thinking to evaluating information in your own life and online
- ☐ None of the above

Well done! You now should have the competence to evaluate information, data and digital content at Levels 3-4 on DigComp, the European Digital Competence Framework.

Now that you have completed DigComp 1.2, you can go back to the homepage.