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ChatGPT

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AI personalised
learning/assessment

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Immersive
learning

ChatGPT



Danny Richman ✓
@DannyRichman

I mentor a young lad with poor literacy skills who is starting a landscaping business. He struggles to communicate with clients in a professional manner.

Original Text:

Sally I am starts work at yours monday from dave

Business version:

Dear Sally,

I hope this email finds you well. I am writing to let you know that I will be starting work with you on Monday. I am really looking forward to getting started.

If you have any questions or need any help with anything, please don't hesitate to get in touch.

Best wishes,
Dave

Gmail account to which he
ds with the text to send to

ve

let you know that I will be starting work with
getting started.

anything, please don't hesitate to get in

man · Dec 1, 2022

15 minutes to create. No coding
T3>Gmail

23

178

6,168



ChatGPT

Launched 30 November

- multiple examples start being shared on social media
- clear that, at a minimum, it will transform written assessment practices and the teaching of IT coding

Campus Morning Mail – 7 Dec

“academics have generated responses to exam queries that they say would result in full marks if submitted by an undergraduate, and programmers have used the tool to solve coding challenges in obscure programming languages in a matter of seconds”

ChatGPT

What is it?

- a large language model (LLM) created by analysing BILLIONS of sentences of text from the internet
- “machines that have ingested an internet’s worth of data, weighed up the relationships between things, and are able to generate content that appears to be new and original”
- the auto-complete function in your email or SMS offers you suggestions based on the last word you typed, while ChatGPT draws on all the BILLIONS of sentences it’s been trained on, filters them and produces coherent responses to what you type

What does it mean for VET?

BSB - Business Services

3,323 RTOs with BSB units on scope

BSBXTW301 - Work in a team

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements and performance criteria of this unit.

- organisational requirements relevant to working in a workplace team:
 - workplace policies
 - codes of conduct
 - organisational reputation and culture
- typical compositions of workplace teams, and the roles and responsibilities of team members within organisations
- techniques for giving and receiving feedback in a constructive manner
- methods to support team members
- key principles of cross-cultural communication and communication with individuals with special needs or disabilities
- methods and tools to work with others remotely:
 - collaboration via phone or mobile
 - collaboration via video conference
 - collaboration via other digital tools or software
- issues that may impact team performance and outcomes
- techniques to collaborate effectively with those working remotely.



CL

What are some issues that may impact team performance and outcomes



Some issues that may impact team performance and outcomes include:



- Lack of clear goals and expectations
- Poor communication and lack of trust among team members
- Insufficient resources or support from management
- Inadequate training or development opportunities
- Conflicting work styles or personalities
- Resistance to change or difficulty with decision making
- Poor leadership or lack of direction
- High turnover or absenteeism
- Inadequate recognition or reward for good performance
- Limited diversity and lack of representation of different perspectives
- Poor work-life balance or high stress levels.

What does it mean for VET?

ICT – Information and Communications Technology

ICTPRG435 - Write scripts for software applications

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Specify software application requirements	1.1 Identify required software application outcomes 1.2 Discuss expectations of final software application with required personnel
2. Determine script requirements	2.1 Identify main characteristics of scripting languages 2.2 Identify integrated development environment (IDE) 2.3 Identify protocols and object model used in chosen scripting language
3. Design and build scripts	3.1 Create pseudo code and describe logic required in script 3.2 Review pseudo code and amend missing logic and errors 3.3 Translate pseudo code into scripts, incorporating use of basic language elements 3.4 Incorporate item manipulation using chosen scripting language
4. Finalise scripts	4.1 Create internal documentation in script according to organisational procedures 4.2 Review, debug and document script according to organisational procedures 4.3 Finalise, save and confirm work with required personnel



Create pseudo code and describe logic required in script



Here is an example of pseudo code for a script that finds the largest number in a list of integers:



python

Copy code

```
# define a function that takes in a list of integers
def find_largest_number(numbers):
    # initialize a variable to store the largest number
    largest = None

    # iterate over the list of integers
    for num in numbers:
        # if the current number is greater than the previous largest number
        if largest is None or num > largest:
            # set the current number as the new largest number
            largest = num

    # return the largest number
    return largest
```

The script defines a function called `find_largest_number()` that takes in a list of integers as an argument. It then initializes a variable called `largest` to `None`.

The script then iterates over the list of integers using a for loop. For each iteration, it compares the current number in the list to the previous largest number. If the current number is greater than the previous largest number or if `largest` is `None`, the script sets the current number as the new largest number.

Finally, the script returns the largest number.

This script uses the following logic:

1. The function is defined with a variable which is a list of integers
2. A variable `largest` is initialized to None
3. A for loop is used to iterate over the list of integers
4. In each iteration of the for loop, a check is made to see if the current number is greater than the previous largest number or if `largest` is None
5. If the check is true, the current number is set as the new largest number
6. The function then returns the largest number



ChatGPT assessment issues

What's needed?

- no more written essays
- no more powerpoint presentations
- no more summaries, proposals, plans or alternative written responses as assessment tasks
- more authentic assessment
- not pencil and paper tests
- think carefully about data privacy and ethical issues in using 'ChatGPT detection' services
- if you're incorporating ChatGPT into your teaching and learning practices – will it remain freely available/what are the equity issues?



Broader VET issues

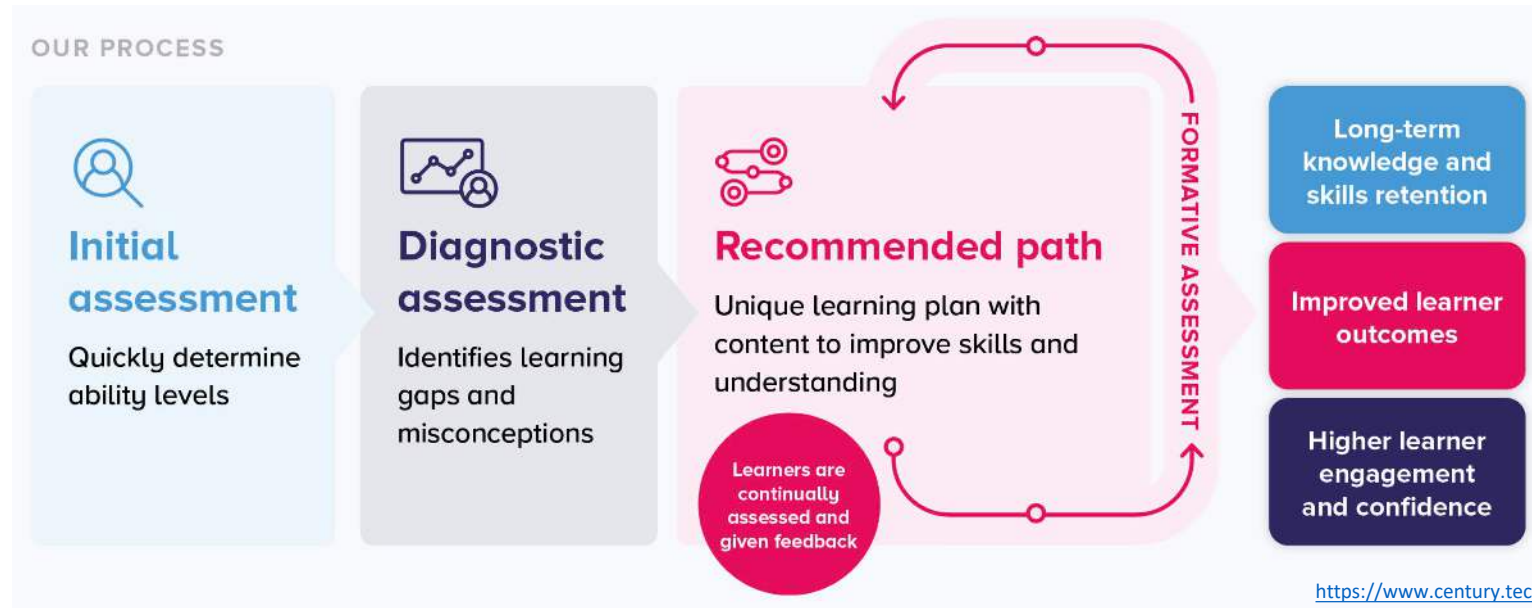
AI/ChatGPT changing jobs

- architects, furniture and interior designers
- business & government data collection & processing
- coding
- customer service agents
- developing fitness plans
- editing
- game creation
- journalism
- language translation
- lawyers/paralegals
- marketing, digital marketing
- online coaching
- teaching (developing lesson plans)
- writing novels



Personalised learning & assessment

- AI to accelerate learning, increase student engagement, reduce teacher workload, target student interventions
- RPL in real time
- ‘competency based’ not ‘time-based’ progression



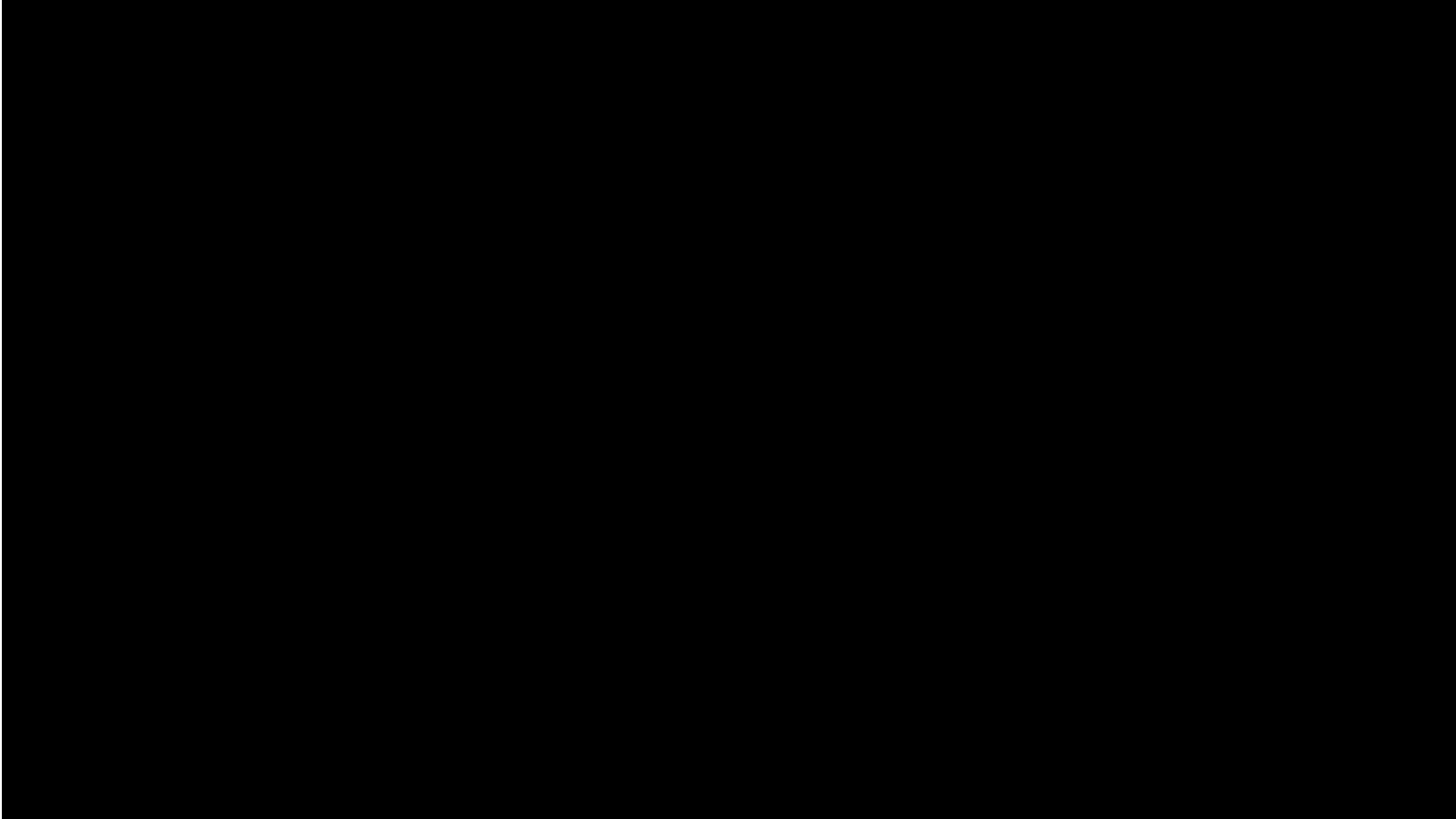
Immersive learning (AR/VR)



CLAIRE FIELD
& ASSOCIATES

Higher Education - International Education -
Vocational Education and Training



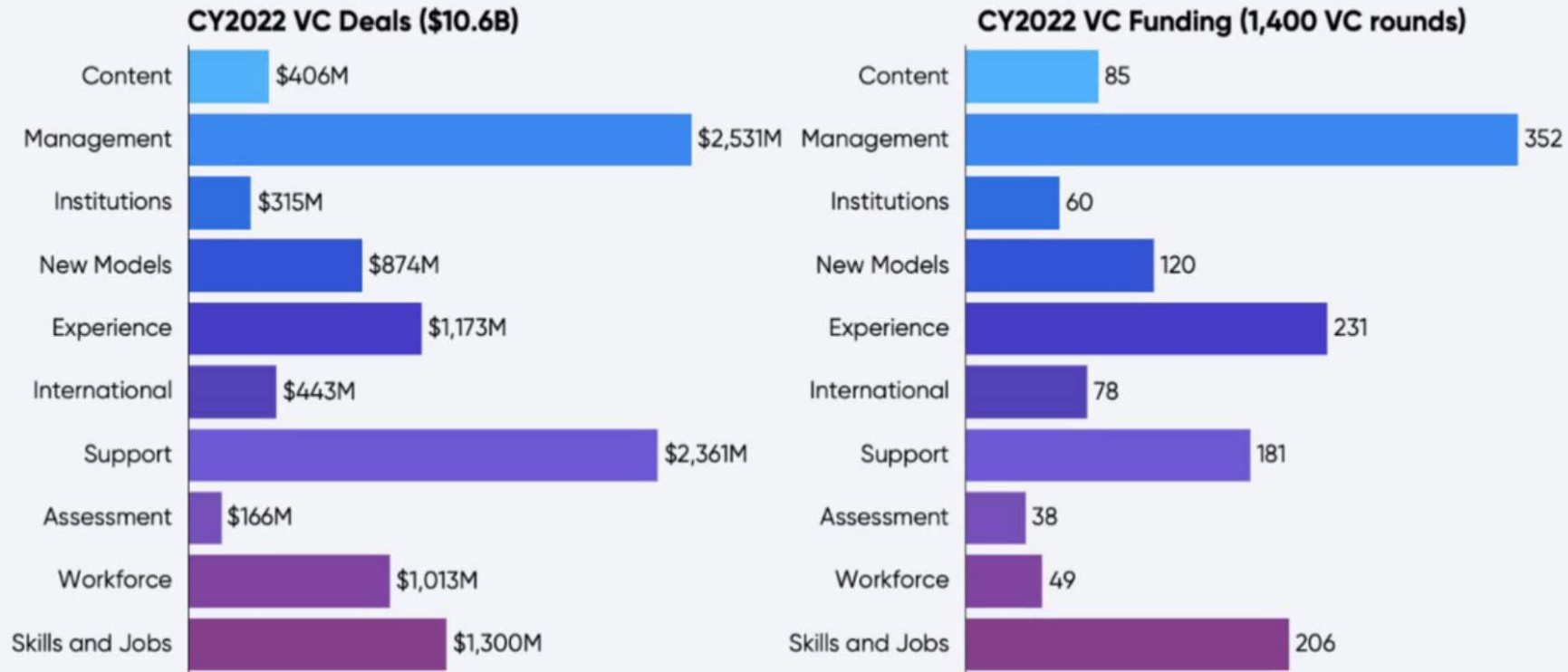




Immersive learning (AR/VR)

\$10.6B and 1,400+ deals of EdTech Venture funding for 2022, nearly half focused on management systems and learner/teacher support.

Global EdTech Venture Capital Funding, 2022 in USD Billions and number of funding rounds.





Immersive learning (AR/VR)

HOLONIQ. GLOBAL IMPACT INTELLIGENCE

Holon IQ

VR & Simulated training is in overdrive with a record number of implementations & partnerships.

Science & Medical



inspirit



JOLLY GOOD!



VICTORYXR

DIY Platforms; VR training-in-a-box



immerse



Behavioral; Interpersonal Skills



PRAXIS LABS



Behavioral therapy, leadership, diversity training, empathy, soft skills

Practical Skills; Deskless Work



MARINEVERSE



uptale.

Retail, Hospitality, HVAC, Marine, Maintenance, Construction