



National Careers Week

**NCW**

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[www.nationalcareersweek.com](http://www.nationalcareersweek.com)

# Before she was a singer, Beyonce was a...

- Cleaner
- Coffee Seller
- Nightclub promoter
- Amateur magician



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# What is LMI and why is it important?

# What is LMI?

Facts, analysis or interpretation of data gathered about working, workplaces and people. For example:

- Wages
- Hours worked
- Working patterns
- Gender balance
- Qualifications needed
- Geographical locations
- Occupations

# What do I need to know about that for?

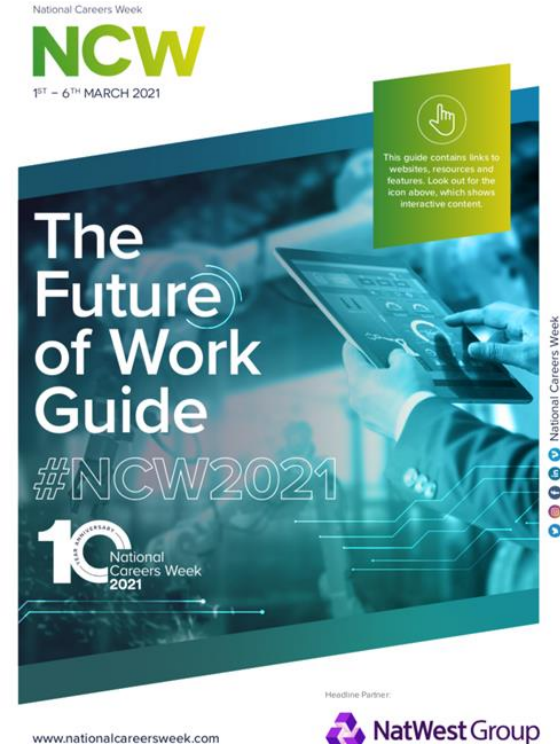
Knowing certain info makes decision making easier. It answers questions such as:

- Will I need to go to university?
- How much will I earn
- What would I do each day?
- Where are most jobs in X, Y or Z located?
- Which are the best Apprenticeships?
- Which sectors are growing or shrinking in the UK?

# What will the future of work look like?

Let's take a look...

[Download The Guide >>](#)



# We are entering the Fourth Industrial Revolution...



# The Fourth Industrial Revolution is here

- The Fourth Industrial Revolution is the ongoing automation of traditional manufacturing and industrial practices using modern smart technology such as:
  - AI (artificial intelligence)
  - autonomous vehicles
  - biotechnology
  - the Internet of Things (IoT)
  - nanotechnology,
  - quantum computing
  - robotics
  - 5G wireless technology
  - 3D printing.

# Fourth Industrial Revolution

- Self-driving cars.
- Self-serve shops.
- AI to assist medical professionals

Companies, including Tesla and Google's Waymo, are developing self-driving cars. However, despite the hype and some technological progress, there are still safety concerns and we have a long way to go before we see driverless cars on our roads.



Amazon Go has opened convenience stores in the United States which are partly automated. Customers can walk out of the stores without having to check out with a cashier or self-checkout.

Stanford University has developed an artificial intelligence algorithm which can identify skin cancer in humans with the same accuracy as dermatologists.



# Fourth Industrial Revolution

- Game theory development
- AI in the home
- Robotic pets & helpers

In 1997 IBM's supercomputer Deep Blue beat world chess champion, Garry Kasparov, at a game of chess.



Apple's Siri uses speech recognition to answer questions, make recommendations and perform actions, such as writing messages and giving directions. Amazon has used similar speech recognition technology in its Alexa smart speaker.

Boston Dynamics has created Spot the dog which is a semi-autonomous robotic dog. There is potential for Spot to be used in construction sites and other environments where it is unsafe for humans to go.



McKinsey: “Workforce transitions in a time of automation”

Technology is replacing largely manual jobs BUT technology needs to be APPLIED by professionals and creative workers in future

Jobs of the future		
Occupation	Advanced economies	Developing economies
Unpredictable physical	Decline	Growth
Customer interaction	Stable	High growth
Predictable physical	High decline	Stable
Office support	Decline	Growth
Professionals	High growth	Growth
Care providers	High growth	High growth
Builders	Growth	High growth
Managers and executives	High growth	Growth
Educators	Growth	High growth
Tech professionals	Growth	Growth
Creatives	Growth	Growth

Owing to changes in technology and the fourth industrial revolution, 50% of all employees will need reskilling by 2025

## Reskilling needs



# Skills For The Future

**Regardless of the roles you undertake in the future, you're going to need these skills:**

- Curiosity and imagination: asking good questions
- Accessing and analysing information: understanding the facts
- Agility and Adaptability: being able to change constantly
- Initiative and Entrepreneurship: being creative and business-minded
- Collaboration and Leading with Influence: teamwork and leadership
- Good Oral and Written Communication: being understood
- Critical Thinking and Problem Solving: being able to see solutions



# Typical skills for future roles



Building a network of partners and skills.



Self-directed Learning.



Language skills to work globally.

Coding and the ability to understand and apply technology.



Being able to work in a team and lead.



Being able to predict and adapt to changes in working in all areas.



## If you want to...

- stay & work near your home
- have a good grasp of pay in your area and career choices
- find jobs where posts have secure, long-term contracts;

## **You need LMI!**

**YOUR future is in YOUR hands – LMI can help you decide on your future career.**



# Further Information



Free National and Regional service

<https://NationalCareers.Service.gov.uk>

<https://NCWTV.co.uk>

Free video resources in  
dozens of industries.



Explore careers through stories.

<https://icould.com>

Education  
and Employers

