



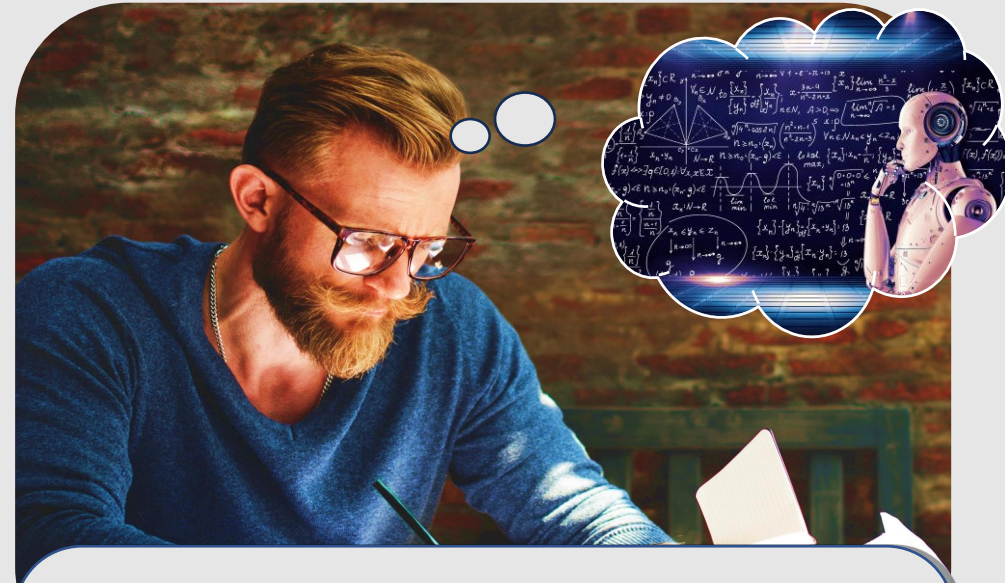
How will AI affect our future careers?



Noah is a copywriter. He writes product descriptions for a fashion website. Recently, Noah's team were asked to take voluntary redundancy (resign voluntarily with some pay compensation).

'We can't justify paying a whole team to do what AI can do for free', Noah was told.

Discuss: Copywriting is one industry being hit hard by the rise of AI. What others may be affected?



Many workplaces have found AI to be a helpful and positive new technology. Why might this be?

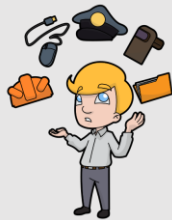
I think many workplaces may find AI to be helpful and positive because...

How will AI affect our future careers?



Learning outcomes:

Explain the effect AI is likely to have on our future career prospects, as well as the impact it currently has on workers, both positive and negative.



AI: Artificial intelligence is the science of making machines that can think like humans. This could be used to create images, text, video footage or music.

Universal Basic Income: UBI is a social welfare proposal in which all citizens are given a minimum income without a means test or the need to work for it.

Noah decided to take the voluntary redundancy money. There were more copywriting jobs out there, but Noah didn't want to start somewhere else just for the same thing to happen again in a few months. He spoke to friends who were graphic designers, and photographers who shared his concerns too.

He thought it would be a good idea to use the funds to maybe retrain in a career which is more 'futureproof' instead.

Discuss: what might we mean by a career that is 'futureproof'?

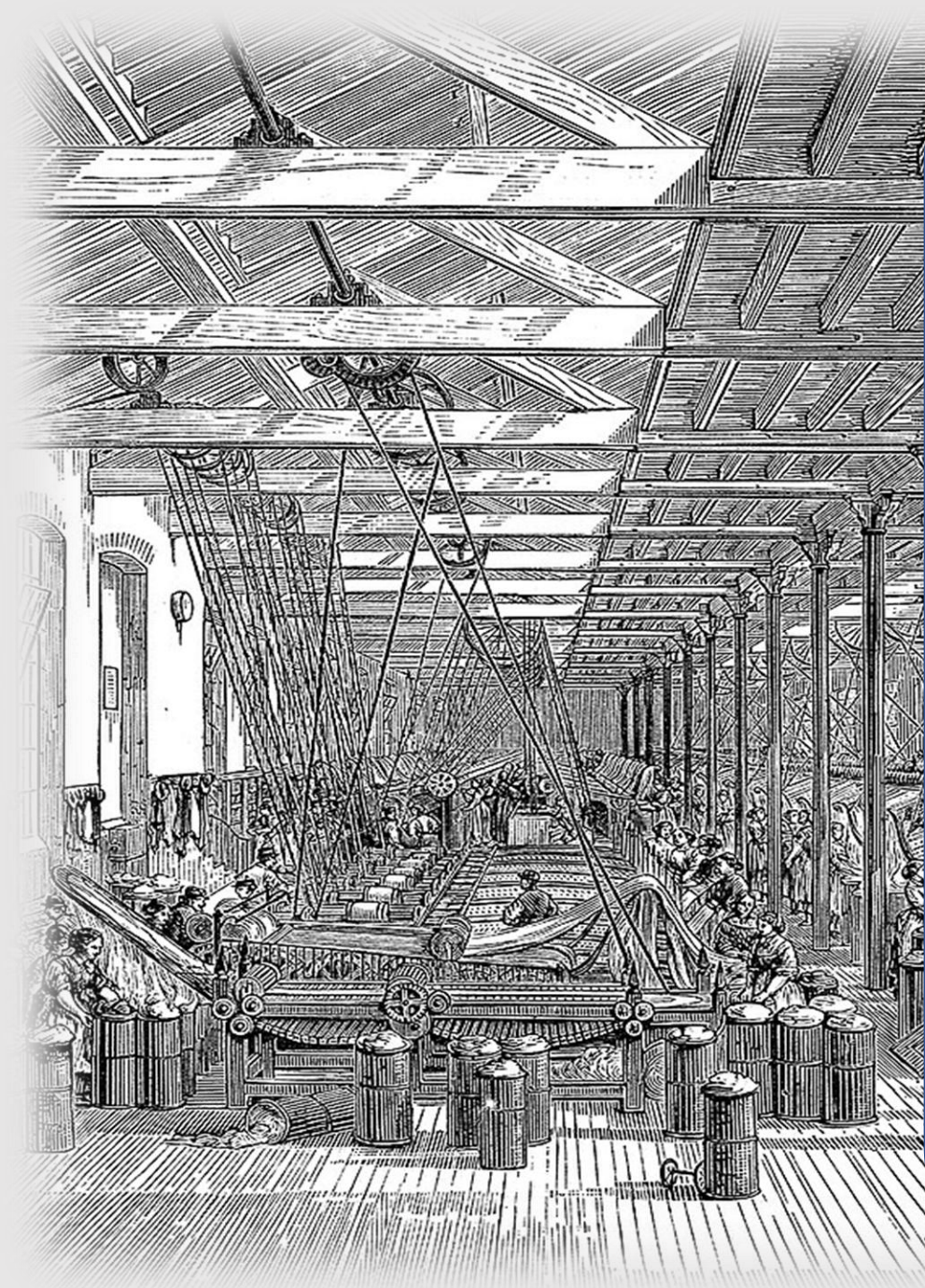


Did you know?

By the end of the decade, 14% of all workers will have been forced by AI to change career, with 44% of companies using AI believing it will result in layoffs this year.

<https://www.youtube.com/watch?v=Gb4mkegS0c4>

(optional but very interesting video)



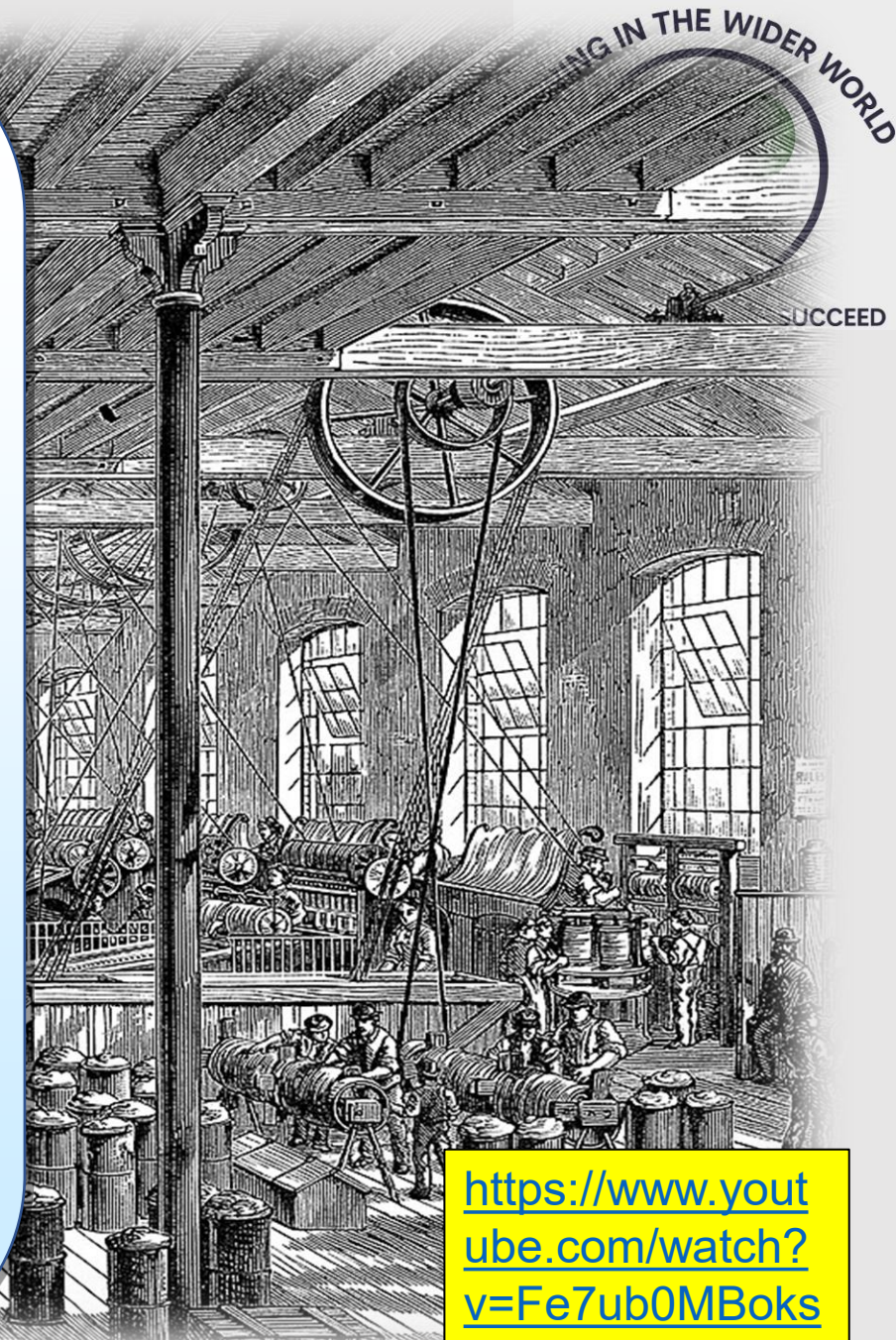
In the 18th century, the workforce of Britain faced a similar challenge to us today, only instead of an AI revolution, the people faced an industrial revolution.

Many skilled labourers, especially those in the textile industry, were terrified at losing their livelihoods to the new machinery. Some (called Luddites) even organised bands of people to attack and destroy the new machines – and faced the full force of the law for this too.

We can't halt technological progress. What we can do though is legislate against the worst potential damages, teach ourselves new skills and adapt.

If we find ourselves in a position where we do indeed find that AI is performing a large majority of the jobs previously completed by our workforce, then one possible outcome governments may legislate for is something called UBI (universal basic income). UBI is being called for by people in a vast range of industries.

On the face of it, UBI sounds like a great idea! However, when we dig deep we find that this system isn't perfect either and may well bring its own set of problems.



<https://www.youtube.com/watch?v=Fe7ub0MBoks>

It's easy to see why the idea of a Universal Basic Income is so popular. Let's talk through a few of these points on your handout now, before we investigate what the downsides could possibly be...

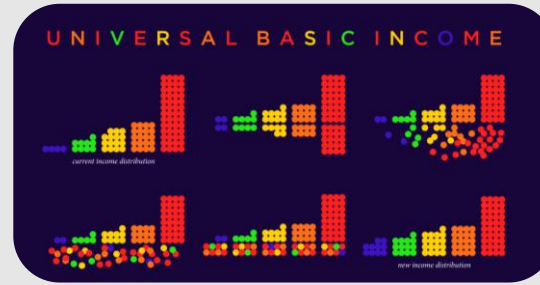


ARGUMENTS	DESCRIPTION
Economic and Social Benefits	<ul style="list-style-type: none"> • Provides Economic Security • Reduces Poverty and Income Inequality • Increases Social Mobility • Positively Affects Mental Health and Well-Being
Potential for Reducing Poverty and Income Inequality	<ul style="list-style-type: none"> • Provides Access to Basic Needs • Reduces Poverty Rates and Improves Economic Security • Provides a Safety Net for Those Who Are Struggling • Reduces Income Inequality by Providing Equal Distribution of Resources
Impact on Employment, Productivity, and Innovation	<ul style="list-style-type: none"> • Reduces Pressure to Take Low-Paying or Unstable Jobs • Allows Individuals to Pursue Fulfilling or Creative Work • Increases Productivity and Innovation



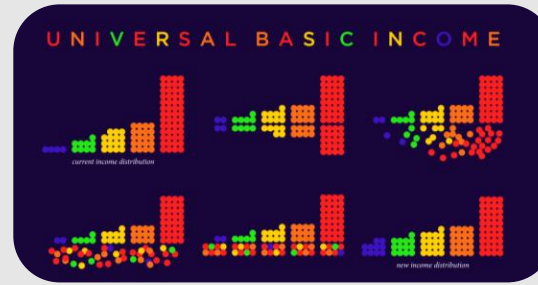
Universal Basic Income:
On the face of it, UBI sounds great! But when something sounds too good to be true, it usually is. Let's find out the negatives of us all having a UBI.

<https://www.youtube.com/watch?v=wMGAt4EC77w>



Negative aspect of UBI	Why is this important?

Universal Basic Income:
Let's go through our answers
now together as a class. Keep
hold of this info, you'll need it
for the next task.



Negative aspect of UBI	Why is this important?
A millionaire would still get it – leading to questions of if they should.	Some might say this is a waste of money, giving money to people who might not even notice or need the increase.
This would be very, very expensive for any government. The USA would be looking at costs of 2.2 trillion dollars for example.	Although this would save money on administrative costs (as there's only one benefit rather than many of administrate), it doesn't save much money overall as more people are getting the hand-out..
\$1000 dollars a month would still make you below the poverty line.	If everyone gets the same amount, it might mean that people who genuinely need the benefits end up missing out on a higher amount.
Taxes would need to be raised and inflation would likely rise too. This may mean that wealthier people could leave, if taxes end up too high to fund everyone's EBI.	For middle income households, the additional money wouldn't mean too much as their taxes would be raised. This may encourage more people to work less instead.

So, what are some future careers we may not even have heard of yet?

It's not all doom and gloom! Just like the luddites could never have envisaged there would ever one day be such a job as a 'content creator', we can't possibly envisage all of the jobs that lie before us in the future to come.

That being said – we have a good idea of the kind of sectors which are likely to see an increase in positions in the coming decade. With that in mind, in pairs now, complete the next task by reading through the jobs and completing your table.



Future careers	Why on the increase?	My thoughts on this as a career for me, and subjects I'd need to focus on now to make this a future career:
<p>Cybersecurity – this is likely to be an industry which only grows in the coming years. In fact, the number of jobs in cybersecurity is likely to increase by 32%. You could work for a company locking down a site from attacks and ensuring customer data stays secure. Or you can be an ethical hacker, finding and reporting security problems to companies.</p>		
<p>Teaching – for all ages. This is a profession with many vacancies currently with the number of positions set to rise by at least another 10%. AI cannot compete with the need for a real, multi-tasking and caring human being – but being a teacher currently is extremely tough (although rewarding). Why not ask your teacher to tell you more about it?</p>		
<p>Working in the renewable energy industry – Within the field, you can work as a scientist who improves how solar energy powers a home or a sales representative who convinces people to go green. You may also be a product tester, a data analyst or an advisor to companies looking to be more environmentally friendly.</p>		
<p>Nursing, the care sector and mental health – For empathetic people, who like helping those in need, these sectors can provide great jobs. However, they are not always paid well. Perhaps if EB was implemented, this is a profession we would see more young people focusing on, as the number of positions is very likely to expand over the decades.</p>		



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Data analysis -

A data analyst analyses data to help companies uncover patterns and insights. These findings help leaders make mission-critical decisions that can guide the overall company strategy. It might seem as though this is something AI would be used for – but making the decisions from accurate data analysis is a job we currently entrust to humans – and this sector is looking at a 10% increase in jobs over the next ten years.

Video game engineer or reviewer - As virtual reality becomes commonplace, these workers will play a key role in designing virtual worlds and ensuring they run correctly. You may think AI could do that, but they can't accurately give a review of the end experience, as these are designed for human enjoyment. However, although more positions will be opening, this is likely to be a very popular role where jobs will be filled quickly!

Organ creator –

This one sounds a bit 'out there' but according to a Linked In report, 'the shortage of transplantable organs will, eventually, lead scientists to create organs and body parts from stem cells and other materials, including some that may not even exist yet. Recruiters will be searching for candidates with a background in molecular biology, tissue engineering, or biomedical engineering.'

Waste disposal specialists –

As we create more landfill and waste products by the day, the problem of disposing with our rubbish efficiently isn't going away. We will need inventors and designers to help us maximise recycling and A background in materials science and industrial design will be required for this.



I never envisaged a future where I'd work in teaching. However, if there's one thing life has told me, it's that you need to adapt as the world changes. I was never great at STEM subjects – But I'm great at English and I'm a very personable individual too. I retrained in a profession that needed more recruits – and there's a real shortage of male primary school teachers. The job is highly demanding, but fortunately, with UBI, I can afford to job-share. I still write, I use one day a week to work on my novel. But I've got to admit, the work from teaching, even part-time, soon fills up the rest of my free time.

Do you think Noah is happier now he's working part-time, even though this has meant changing his career? Why / Why not?

Reporting a Concern at Thornden School

- It is important to us that all of you feel safe, happy and belong at Thornden.
- We also know that sometimes it is not as easy as simply telling a member of staff
- It could be:
 - A friend you are worried about
 - Someone being unkind to you
 - Something you have heard and think we should know

How can you report anything you are worried about?

- Speak to a member of staff or parent / carer
- Visit the Well Being Den or Head of Year area
- On Satchel each week you will be sent a link to a form to share any worries you have
- On our school website homepage there is a 'Report a Concern' link.
- In the Student Bulletin there is a 'Report a Concern' link
- On all school desktops there is a 'Report a Concern' logo to click and report anything

Need Support? You're Not Alone

If anything in today's lesson has affected you, or you want to talk to someone, there is help available.

Mental Health & Low Mood

YoungMinds – <https://www.youngminds.org.uk>

Kooth – <https://www.kooth.com>

Mind – <https://www.mind.org.uk>

Talk to Someone

Your Tutor or Head of Year – We're here to help.

Wellbeing Team and School Nurse

Report a Concern on Satchel

Safeguarding Team with the Purple lanyards

Healthy Lifestyle

NHS Every Mind Matters – <https://www.nhs.uk/every-mind-matters>

Change4Life – <https://www.nhs.uk/change4life>

Apps That Can Help

Calm – For mindfulness and sleep.

Headspace – Meditation and stress relief.

Clear Fear – Manage anxiety (designed for young people).

MeeTwo – Anonymously talk to other teens, moderated by experts.

Eating Concerns

Beat Eating Disorders –

<https://www.beateatingdisorders.org.uk>

NHS Live Well – Eating Disorders –

<https://www.nhs.uk/mental-health/conditions/eating-disorders/>