



Future Pathways Assessment

Student Profile

PROFILE PREPARED FOR:

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HOW THIS PROFILE CAN HELP YOU

The FPA encourages you to reflect on, and, rate your interest in a wide range of job related tasks.

Benefits include:

- ☐ Identification of future pathways that most closely match your interests;
- ☐ Access to detailed information on a wide range of future pathways, enabling you to broaden your understanding of the multitude of options available, and, make more informed future pathway decisions;
- ☐ Access to information to support informed subject selection at secondary school;
- ☐ Access to information on a wide variety of education and training options.
- ☐ Access to interesting resources and links to help build your knowledge of specific future pathways.
- ☐ Action plan ideas to support your exploration of future pathways, and aid decision making.

READING AND UNDERSTANDING YOUR PROFILE

Snapshot

A results summary page which displays your top eight future pathways.

Your Future Pathways

An individual page for each of your top eight pathways with more detailed information.

Next Steps

A simple exercise to help you explore the three future pathways that are of most interest to you at this stage.

Welcome

Bulls-Eye's Future Pathways Assessment (FPA) combines traditional career theory with up to date research on the future of work and occupational demand.

The FPA has been designed to encourage broad exploration of future pathways to support young people to make decisions which keep their options open. The original version of the FPA was launched in 2012 and since then tens of thousands of young people have completed the assessment. In 2018, the assessment was revised and updated.

The FPA is a self-report assessment focused on interests. It does not assess cognitive ability or skill. Many of the secondary schools and young people we work with use their results to help guide their decision making around subject selection and post-school education and training options.

While it's likely that you will make many decisions throughout your life which may change your career direction, the FPA is a great starting point to provide some career focus, and to help you plan and explore future pathways options and ideas.



Snapshot

	PROGRAMMER	Programmers write code and develop software. While the technology industry is moving towards automating basic coding and other manual IT tasks, opportunities are growing for those who combine creativity with digital expertise.
	RESPONDER	Growing populations, environmental challenges and other issues are driving demand for emergency services and defence forces. Responders protect borders, defend against security threats, rescue people & provide support during natural disasters.
	TECHNICIAN	There are a lot of opportunities in the trades for skilled and resourceful technicians. Technicians use practical skills to maintain technology, machinery or infrastructure, set up systems or build something new.
	CONSTRUCTOR	Global demand for green buildings and smart urban design is continuing to drive opportunities for constructors. Constructors develop new building materials, design cities and buildings, write plans and manage the construction process.
	ENGINEER	New technologies, growing populations and scientific discoveries are driving continued demand for engineers. Engineers use science and maths to plan, test and design solutions for an array of problems.
	TECHNOLOGIST	Information Technology is incredibly important to the modern world, and its importance will only grow with future innovations. Technologists work with technology to manage, store, analyse and protect information.
	AVIATOR	Aviators work in airports, looking after passengers, flying or maintaining aircraft and controlling air traffic. Many aviators work for commercial airlines, though there are opportunities in helicopters, scenic and chartered flights, as well as agricultural aviation.
	ENTREPRENEUR	Entrepreneurs and leaders with a talent for getting the best out of others are in demand from small and innovative start ups and social entrepreneurship initiatives to large government organisations and corporates.

PROGRAMMER



Information Technology has transformed the way we do business, store information and interact with the world around us. Programmers write code and develop software. While the industry is moving towards automating basic coding and other manual IT tasks, opportunities are growing for those who combine creativity with digital expertise. Whether developing for the web or for mobile applications a combination of programming, game development, user experience and graphic design skills are required to be successful. Virtual reality, artificial intelligence and the Internet of Things are becoming embedded in our day to day lives, driving demand for programmers and developers in a range of fields.

Qualifications

While many in the IT industry have joined in entry level roles and developed their skills on the job, the maturity of the industry and it's competitive nature mean a degree in Programming, Software Development, Game Development or Robotics will be increasingly valuable as an entry requirement to the industry.

LOCAL STUDY OPTIONS

Action plan ideas

- Learn to code
- Develop your gaming skills
- Get a part time job in technology retail, help desk, or coding
- Watch Silicon Valley (for laughs) or The Imitation Game (for history)

JOBS BY PATHWAY

RESPONDER



Growing populations, environmental challenges and other complex issues are driving demand for emergency services and defence forces. Responders protect borders, defend against security threats, rescue people and provide support during natural disasters and other incidents. They may work in law enforcement, search and rescue, firefighting, paramedicine, the defence forces or other services. This sort of work can be challenging and put responders in potentially dangerous situations, however it is very rewarding. Responders may also be involved in community and prevention initiatives. Demand for responders will remain steady as new challenges arise due to scarce resources, overcrowding, climate change and other issues of the modern world.

Qualifications

To work in the emergency services, or, the military you must go through a rigorous selection process to gain entry. From there you must complete the appropriate training and certification programme to become employed.

LOCAL STUDY OPTIONS

Action plan ideas

- Take a look at the careers website for the defence force or emergency services (they provide great information)
- Sign up for a first aid course
- Take a self-defence or martial arts class
- Volunteer for one of the emergency services

JOBS BY PATHWAY

TECHNICIAN



There are a lot of opportunities in the trades for skilled and resourceful technicians. Technicians use practical skills to maintain technology, machinery or infrastructure, set up systems or build something new. Technicians may work as electricians, mechanics or plumbers, or in the telecommunications, manufacturing, construction, agriculture and maritime industries. Many technicians are self-employed or work for small businesses. Demand is high for technicians as skilled people will be needed to maintain new technologies and keep things running smoothly.

Qualifications

Many people employed in the skilled trades undertake some sort of formal training. This may be on the job, via an apprenticeship programme, or, by completing a specific course of practical training in a trade academy environment.

LOCAL STUDY OPTIONS

Action plan ideas

- Change the oil and water in the family car and go along next time it needs a WOF or service
- Try your hand at some DIY projects at home
- Investigate apprenticeship opportunities using the links on this page
- Spend a day on the job with someone working in the trade you are interested in

JOBS BY PATHWAY

CONSTRUCTOR



Global demand for green buildings and smart urban design is continuing to drive opportunities for constructors. Constructors develop new building materials, design cities and buildings, write plans and manage the construction process. Many cities are looking at how they can be more efficient, sustainable and liveable for their citizens; innovative and skilled professionals are needed to bring these goals to life. Smart urban design, in particular, is gaining momentum, as the world looks at how technology can be used to manage urban issues such as traffic, waste and safety. Other emerging trends in this field are energy efficiency, architectural technology, virtual reality modelling and advanced building materials.

Qualifications

A degree in Civil or Structural Engineering is an excellent step towards a career in large-scale construction projects. Construction management qualifications are also available as is specialised training in construction estimating and quantity surveying.

LOCAL STUDY OPTIONS

Action plan ideas

- Design and build model structures
- Get work experience on a building or construction site
- Visit well known buildings, tunnels, or bridges to learn more about them
- Watch some of the Discovery Channel construction shows for an idea of the sort of projects you might work on one day

JOBS BY PATHWAY

ENGINEER



New technologies, growing populations and scientific discoveries are driving continued demand for engineers. Engineers use science and maths to plan, test and design solutions for an array of problems. Engineering is a broad discipline; you could develop new materials, work on computer or aviation systems, design energy-efficient machines, create plans for safe buildings or work with biomedical devices. Rapid advancements in technology are opening up opportunities in nanotechnology, solar and alternative energies, machine learning and biomedical technology. No matter the discipline, governments and businesses will be looking to engineers to solve some of the world's biggest problems.

Qualifications

Aspiring engineers will typically complete a Bachelors in Engineering specialising in one of a broad range of majors. For example: Chemical, Electrical/Electronics, Civil/Structural, Mechanical/Robotics, Environmental, Process, Medical, Biomedical.

LOCAL STUDY OPTIONS

Action plan ideas

- Try out 3D printing design
- Design and build model or electronic structures
- Get work experience in a relevant area e.g. construction, technology retail, DIY
- Watch some of the Discovery Channel engineering shows for an idea of the sort of projects you might work on one day

JOBS BY PATHWAY

TECHNOLOGIST



Information Technology is incredibly important to the modern world, and its importance will only grow with future innovations. Technologists work with technology to manage, store, analyse and protect information. Artificial Intelligence and the Internet of Things will become embedded in our day to day lives; producing masses of data that will need to be analysed and kept secure. All this new technology will require skilled technologists to manage new server, cybersecurity and storage challenges. Opportunities abound in machine learning, information security, data engineering, computer forensics and artificial intelligence. There are also opportunities for digital archivists and database managers.

Qualifications

While many in the IT industry have joined in entry level roles and developed their skills on the job, the maturity of the industry and it's competitive nature mean a degree in Computer Science, Information Technology, Network or Systems Engineering will be increasingly valuable as an entry requirement to the industry.

LOCAL STUDY OPTIONS

Action plan ideas

- Learn to code
- Take apart an old computer (recycle or create something new)
- Get a part time job in technology retail, help desk, or coding
- Watch Silicon Valley (for laughs) or The Imitation Game (for history)

JOBS BY PATHWAY

AVIATOR



Aviators work in airports, looking after passengers, flying or maintaining aircraft and controlling air traffic. Aviation is a broad industry; you could be a flight instructor, air traffic controller, flight attendant, fly cargo planes, refuel aircraft, or even work in the defence forces. Many aviators work for commercial airlines, though there are opportunities in helicopters, scenic and chartered flights, as well as agricultural aviation.

Qualifications

Aviation qualifications are very specialised. To become a pilot you typically need to complete a Diploma or Bachelor level degree programme in Aviation as well as gaining a commercial pilot licence. Air Traffic Controllers undergo specialised training after a rigorous selection process. Joining the airforce is also a pathway to a career in aviation.

LOCAL STUDY OPTIONS

Action plan ideas

- Try out a flight simulator
- Download an aviation app or play an aviation game (on Xbox or PlayStation)
- Book a flying lesson
- Talk to someone who is, or, has been a pilot. Ask them about the ups and downs of a career in aviation.

JOBS BY PATHWAY

ENTREPRENEUR



Businesses need entrepreneurs and leaders who have an eye for opportunities, can see what needs to happen and are decisive and optimistic. Entrepreneurs search for the best staff, provide direction, develop business strategy, delight customers and engage their teams. Moving away from administrators and staff hierarchy, modern businesses are looking for skilled leaders who can innovate and inspire staff to do their best. Natural leaders with a talent for getting the best out of others are in demand from small and innovative start ups and social entrepreneurship initiatives to large government organisations and corporates. Leaders with cultural understanding and a global outlook who recognise that engaging employees and customers is a key part of financial success will thrive in the new economy.

Qualifications

While some business owners and entrepreneurs bypass university and head straight in to start up mode, many leaders and managers work in businesses and organisations that are owned by others. A Bachelors degree in Business or Commerce (majoring in areas like entrepreneurship, management or sales & marketing) is a great place to start.

LOCAL STUDY OPTIONS

Action plan ideas

- Get a part time job to see what makes a business tick
- Got an idea for a business? Develop a business plan and test it with someone who has business experience.
- Find a part time job that involves interviewing people (e.g. market research)
- Get experience managing or leading others e.g. sports team captain or manager

JOBS BY PATHWAY

FUTURE PATHWAYS ASSESSMENT:

Next steps

Identify the three pathways that you are most interested in right now and work your way through the questions below:

	Pathway 1	Pathway 2	Pathway 3
What subjects are essential to study at school for this pathway?			
Are these subjects you already study, or, are interested in studying?	Yes <input type="radio"/>	No <input type="radio"/>	Yes <input type="radio"/>
Do you know what training, or, study is required after completing school to enter this pathway?	Yes <input type="radio"/>	No <input type="radio"/>	Yes <input type="radio"/>
Do you know anyone who works in this area? Is there someone you could talk to about this pathway to learn more about it?			
Add two action plan ideas for each pathway.			