bulls eye

Future Pathways Assessment

Student Profile

PROFILE PREPARED FOR:

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School: Test High School

Date: 20/11/2018

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

Results Summary

A snapshot of your top five pathways, including a brief overview and five sample jobs which are representative of the pathway.

Your Future Pathways

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

Profile Summary

A summary of your top five pathways including sample jobs, relevant school subjects, qualifications required and action plan ideas.

Next Steps

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

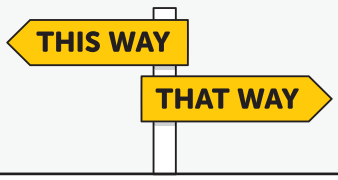
Welcome

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.



PATHWAY:

Snapshot

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.	Software Developer Game Designer Artificial Intelligence Virtual Reality Robotics Engineer
LEADER	Businesses need leaders who have an eye for opportunities, can see what needs to happen and are decisive and optimistic. Leaders search for the best staff, provide direction, develop business strategy, delight customers and engage their teams.	Business Owner General Manager Management Consultant Operations Manager HR Manager
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.	Electrical Engineer Chemical Engineer Civil Engineer Mechanical Engineer Environmental Engineer
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.	IT Manager Network Engineer Systems Engineer Security Analyst Computer Scientist
MAKER	Today's advanced products require hi-tech and innovative technology to manufacture them. Makers find the best way to manufacture something, manage supply chains, ensure product quality and oversee distribution.	Manufacturing Manager Production Engineer Supply Chain Manager Production Planner Quality Assurance

PATHWAY:

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.

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)

Future-Fit jobs

- Software Developer
- Game Designer
- Artificial Intelligen...
- Virtual Reality
- Robotics Engineer

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.

PATHWAY:

LEADER

Businesses need leaders who have an eye for opportunities, can see what needs to happen and are decisive and optimistic. Leaders 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.

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

Future-Fit jobs

- Business Owner
- General Manager
- Management Consultant
- Operations Manager
- HR Manager

Qualifications

While some business owners and entreprenueurs 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, operations, management or human resources) is a great place to start.

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.

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

Future-Fit jobs

- Electrical Engineer
- Chemical Engineer
- Civil Engineer
- Mechanical Engineer
- Environmental Enginee...

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.

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.

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)

Future-Fit jobs

- IT Manager
- Network Engineer
- Systems Engineer
- Security Analyst
- Computer Scientist

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.

PATHWAY:

MAKER

Today's advanced products require hi-tech and innovative technology to manufacture them. Makers find the best way to manufacture something, manage supply chains, ensure product quality and oversee distribution. Many manufacturing companies are implementing hi-tech machinery, advanced robotics and artificial intelligence to improve efficiency and output, while minimising waste and labour requirements. Traditional factory jobs are set to decline while new, highly-skilled roles open up in technology management, production planning and quality assurance. Other growing areas of manufacturing are blockchain, advanced materials, high-performance computers and 3D printing.

Action plan ideas

- Go on a factory tour to see how everyday products get made
- Design and build model structures
- Take the 'How It's Made' Quiz
- Get work experience, or, a summer holiday job on a production line

Future-Fit jobs

- Manufacturing Manager
- Production Engineer
- Supply Chain Manager
- Production Planner
- Quality Assurance

Qualifications

With traditional manufacturing jobs declining, opportunities to 'rise through the ranks' will be reduced and technical qualifications will be increasingly important. In this industry the most relevant qualifications are in areas like process engineering, operations management, production planning, distribution, quality assurance and supply chain management.

Profile summary

PATHWAY	SAMPLE JOBS	QUALIFICATIONS
PROGRAMMER	Software Developer Game Designer Artificial Intelligence Virtual Reality Robotics Engineer	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 ...
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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 ◯ No ◯	Yes ◯ No ◯	Yes ◯ No ◯
Do you know what training, or, study is required after completing school to enter this pathway?	Yes ◯ No ◯	Yes ◯ No ◯	Yes ◯ No ◯
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.			