

Springfield Primary School, a local school in the heart of Kallaroo, is expanding rapidly. A \$15 million redevelopment will allow the campus to accommodate nearly 400 students with a brand new library, assembly area, new classrooms and administration facilities.

[Member's time extended.]

**Ms C.M. COLLINS:** When it comes to a sense of community, the North Shore Community Hub in Kallaroo is unmatched. Whether it is a sunset performance from the Joondalup Symphony Orchestra or fast-paced games of pickleball or tennis, it has been excelling in recent years for creating a venue that is open to all. I am proud to have assisted the hub with new equipment, and I look forward to supporting the board with its exciting plans to develop North Shore even further.

Kallaroo has been very lucky to benefit from an engaged and energised residents' association. The leadership team, including Fay Gilbert, Malcolm Smeal and Andy Stewart, have a superb knowledge of their local community and identify opportunities to make people's lives better. I know that maintaining an active residents' group takes a lot of work, and I would like to thank them.

Finally, I wish to speak about Mullaloo. In 1919, the state government recorded the Noongar name for this stretch of coastline as Mullaloo, listed then as meaning "the place of the rat-kangaroo". Although we can still get a glimpse of the natural flora and fauna of the area at Periwinkle Bushland or Korella Park, most now know Mullaloo for its beaches. Today, Mullaloo is better known for hosting the Mullaloo Surf Club, the Mullaloo Beach Hotel and huge numbers of visitors at the always-popular Tom Simpson Park.

Every year, I host my Christmas barbecue in Mullaloo, simply because I know that everyone in the electorate is happy for an excuse to get down to Mullaloo Beach. The surf club has done a great job of documenting the history of this eternally popular beach, with incredible photos from the 1950s of tin shacks built amongst the remote hidden valleys between pristine, towering coastal dunes. Today we would be hard-pressed to find a flimsy tin shack in Mullaloo, as around 1 800 families have made it their forever home.

I have been proud to do my small part to assist Mullaloo families. Mullaloo Heights Primary School has received state government funding for a new nature playground and other learning aids. With state government funding, Mullaloo Community Kindergarten recently had new solar panels installed to help bring down its energy bills so that there can be greater investment in opportunities for the kids. The area is home to the Oceanside Little Athletics Club, which instils a lifelong love of athletic excellence and physical exercise for kids all over the northern suburbs.

I will finish here. This was just a brief outline of some of the incredible things going on in the six suburbs of the Hillarys electorate. I commend the government and the Premier for the great work they have been doing.

**MS E.L. HAMILTON (Joondalup)** [4.32 pm]: I rise today to make a contribution to the Premier's Statement as we begin our 2023 parliamentary sitting year. I took some time to reflect that 2023 marks six years in office for the McGowan Labor government, including me as the member for Joondalup. I am part of an incredible team supporting all Western Australians.

Joondalup is still a young city, but it is maturing, and that has never been more true than right now. Along with significant state government investment, Joondalup is now being recognised as a leader in innovation and emerging technologies and industries and is already a global leader in cybersecurity. Innovation is a broad term that covers many fields. It requires connectedness, collaboration, imagination and a desire to invest in technologies to solve complex problems. I see this as an immense opportunity for Joondalup.

Already located in and around Joondalup are Joondalup Health Campus; our learning precinct; significant transport links, including our electric CAT bus; and a growing local economy that is supporting startups and entrepreneurs. There is investment in robotics, automation and medical research. It also provides opportunity for not only the local residents who call Joondalup home, but also the small businesses that are contributing to the local economy; the educational institutions that are upskilling people from all corners of the world in Edith Cowan University, North Metropolitan TAFE and the College of Electrical Training; and the Western Australia Police Academy, which is training and upskilling the Western Australia Police Force.

The McGowan government has recognised the importance of Joondalup as the city centre servicing our rapidly growing northern corridor. We have seen significant investment by our state government in a number of major projects. Many infrastructure projects are well underway, such as our new Ocean Reef Marina, the expansion of Joondalup Health Campus, the extension of the Yanchep rail line as part of Metronet, and upgrades to our local schools, including a \$5 million sports hall at Ocean Reef Senior High School. Works are just beginning on our plan to transform Yellagonga Regional Park into the Kings Park of the north. For us in Joondalup, it means a new seven-kilometre mountain bike trail on the shore of Yellagonga. Later this month, I will join the Premier for the sod turning of North Metropolitan TAFE's new \$20.4 million automotive workshop at Joondalup's Kendrew campus, which will cater for emerging communications and IT technology in new vehicles, including drones.

Locally, the work being done in Joondalup in cybersecurity is where I wanted to begin my contribution. From a statewide perspective, we need to continue to diversify our state's economy. It makes sense to continue to grow our digital economy, support our cyber capabilities and invest in the global workforce. At a practical level for our community, it is about how both individuals and businesses can protect themselves from data breaches, fraud and cybercrimes. Here in Joondalup, we are lucky to have a powerhouse collaboration between ECU, North Metropolitan TAFE and the AustCyber team based at the Joondalup Innovation Hub. This dynamic relationship delivers exceptional training for our global cyber workforce—a hub that is set to become one of the world's leading centres in the fight against cybercrime. Strengthening collaboration between the tertiary, vocational and secondary education sector is an exciting prospect as we now look to the jobs of the future.

As we head into 2023 in a post-COVID-19 world, it is very clear that the world has changed in many ways. We have embraced the advancement of technology, and the participation and engagement of individuals and businesses with these technological changes is an increasing global trend.

Australia-wide, ECU Joondalup is educating 20 per cent of the nation's cybersecurity students, which equates to around 1 300 students annually. This number has grown rapidly. In 2016, just 260 students were participating in these courses. In 2019, that number had grown to 1 000 students. At North Metropolitan TAFE, the cybersecurity course is fully enrolled, with 200 students studying this semester.

We often talk about the jobs of the future, which I have done since taking office. Now we are seeing these jobs of the future becoming a reality. Nationally, there will be a skills shortage of around 30 000 cybersecurity specialists over the next four years, although it is suggested that this figure is quite an underestimation. Joondalup is well positioned to continue to grow our involvement in addressing this skills shortage. Our government has already invested in the Joondalup Innovation Hub, in particular with a \$356 000 investment at North Metropolitan TAFE in 2019, which supported the creation of the Cyber Security Operations Centre at the Kendrew campus. This infrastructure includes facilities such as a hacker room, a defender room and a control room. It is where students and experienced teams alike work to protect and develop Australian interests across multiple sectors in WA, including mining, oil and gas, agriculture, freight and logistics, defence, and information technology. I am now seeing a strong collaboration with our local high schools, with paths provided for students at school to begin TAFE certificate courses in the cyber industry, as well as creating avenues to further vocational or tertiary education at our excellent facilities in Joondalup. This relationship that is being nurtured really sets Joondalup apart, and as a leader. There is strong collaboration for a young person in their chosen field from school to TAFE and university should they choose. It really does make sense.

In September last year, Australia was hit by the Optus cyber attack. Over 10 million Australians had their personal information and data stolen. Some experts have suggested that it was the worst data breach in Australia's history. As members can expect, people were angry and frustrated, wondering how this could occur. We could say it was a pivotal moment when the reality of cyber attacks became front of mind for millions of Australians. Unfortunately, we know that this is not a new phenomenon and that we need to take this threat seriously. Individuals need to become more aware of the challenges that can be faced when interacting online. It has meant that businesses need to take the time to understand and invest in cybersecurity measures. It has also highlighted the need to ensure that we have the workforce that is able to assist and support the cybersecurity industry. We are well equipped to do that, thanks to cybersecurity being one of the flagship courses at North Metropolitan TAFE, with the program at full enrolment capacity, as I mentioned earlier. Last year, the college won the Australian Information Security Association's best STEM promoter of the year award at the association's cybersecurity awards. This is an incredible achievement, which is further evidenced by students enrolled in this course being recognised on the national and even global stage. Noteworthy student achievements include Ben Armstrong winning a medallion for excellence and fifth place overall in the cybersecurity competition at the international WorldSkills event in South Korea. Odaya Amsellem was awarded tertiary student of the year at the Australian Information Security Association's cybersecurity awards, and Kai Baharthah-King was recognised and awarded as runner-up tertiary student of the year at the same event. These are incredible results for our students, and the quality of education and training in the cybersecurity industry is only set to rise, with North Metropolitan TAFE recently announcing the official launch of its cybersecurity industry pathway program alongside its Joondalup learning precinct partners, the City of Joondalup and Edith Cowan University.

Just this week, I attended an insightful event hosted by North Metro TAFE, the City of Joondalup and the WA AustCyber Innovation Hub—the “Securing your Future: Cyber Careers” chat with Rob Lee. Rob is an international cybersecurity expert and gave his time to talk to key industry representatives and university and TAFE students at different stages of their study and, most importantly, year 11 and 12 students from our secondary schools.

What is now being worked on locally is a program that will create a unique pathway linking TAFE and secondary school students with paid industry employment and advanced entry into university. Students will work to complete their first certificate III in information technology, cybersecurity, whilst in school, and upon graduation, students will continue to study with North Metro TAFE, where they will complete three qualifications—a certificate IV

and advanced diplomas, over two and a half years—whilst also participating in a paid workplace learning position with a host employer. Students will then receive recognition of prior learning, allowing them to save the first year and a half of ECU's three-year Bachelor of Science degree in cybersecurity. With our government's investment in TAFE through the Free in '23 initiative, the first qualification in this pathway can be completed fee free, making this a very affordable pathway into university and the cybersecurity industry. I have been working with Glenn Murray, a local cybersecurity expert, and at the end of last year made an introduction to one of our local high school principals. I am looking forward to watching this relationship flourish.

Robotics and automation are two of the more especially important innovative areas of development for our state and are highly relevant on a global scale. Western Australia is already a key player in the global market for these technologies due to the important role that mining and resources play within our economy. These technologies, however, are forecast to play a huge role within additional key industries, such as agriculture, space, defence, logistics, construction, advanced manufacturing and the education sector. Joondalup offers a strong foundation to support Western Australia's position as a world leader in automation and robotics and envisions itself at the centre of the development and innovation of these technologies, with the Australian automation and robotics Joondalup precinct under construction. It will form one of the biggest test facilities of its kind in the world, well equipped with specialist infrastructure and research and development facilities.

Our government's significant investment and commitment to the expansion of investment in medical research in Joondalup is also very clear. Just this week, we saw the launch of our future health research and innovation fund. Joondalup Health Campus is a major facilitator of advanced medical research, with a focus on drawing research investment and facilities to the Joondalup CBD. Last year, the campus appointed a world-renowned professor of paediatrics and co-founder of the Origins Project, Professor Desiree Silva, as director of research at Joondalup Health Campus. This is the first time an individual has been appointed to a role that seeks to support the health campus to embed new and emerging research into clinical practice. Last year, 23 clinical trials took place at the campus, with more than 150 research projects facilitated involving more than 2 500 patients spread across more than 20 specialties.

Joondalup is a world-renowned centre for medical research, and last year two more medical research organisations established offices locally. The Linear Joondalup Early Phase Clinic was opened in August last year. It is a Western Australian not-for-profit organisation, historically engaged in clinical trials of global importance, and its new Joondalup facility is one of the most advanced clinical trial centres in the entire Asia-Pacific region. The facility will be conducting early phase clinical trials, including first-in-human drug-to-drug interaction and vaccine and biosimilar trials. The new cutting-edge Joondalup facility was supported with an allocation of \$2.25 million from the McGowan government's future health research innovation fund.

Providing the latest in medical research and innovation is a focus for a number of other organisations in Joondalup. This includes the Telethon Kids Institute, which opened its second site in Edgewater. The site is home to CliniKids and the Origins Project. At the end of last year, I visited the new location and met with Leah from CliniKids and Alexis from the Origins Project to hear firsthand about the work they are undertaking and the support they are providing to WA families. CliniKids clinics provide cutting-edge therapies and support for children on the autism spectrum, as well as their families. Led by Professor Andrew Whitehouse, CliniKids puts research into practice to provide families with tailored supports and evidence-based therapies, cutting the time between new research outcomes and their use in clinical practice. Outcomes from the research and clinical work of the CliniKids clinic is being shared with local schools that have been offered training in cutting-edge therapies to support members of their school community.

The Telethon Kids Institute receives funding from Telethon, which our WA community has generously supported throughout the years. The 2022 Telethon netted more than \$71 million in donations—the largest amount in Telethon's history. This included a donation of \$11 million from the McGowan government. Telethon has been a cornerstone of the WA community since 1968, and the total of donations to Telethon over its lifetime now amounts to over \$500 million. The generous donations of the WA community support continued medical and therapeutic research across a wide range of fields, and the work completed by the Telethon Kids Institute is cited by academics, researchers and medical professionals across the globe.

The Origins Project is a collaboration between Joondalup Health Campus and the Telethon Kids Institute, forming the largest study of children from their time in the womb to the age of five years. It is well renowned in the northern suburbs and more broadly. The project has been underway for over a decade to improve child health and early intervention planning. The site is home to the paediatric services of the Origins Project, while antenatal newborn research will continue to take place at Joondalup Health Campus. The project is collecting detailed information on how a child's early environment, their parents' physical health, and genetics influence the risk of a wide range of diseases and conditions such as asthma, eczema, food allergies, hay fever, diabetes, obesity and neurodevelopmental challenges. The Origins Project is a unique study, the largest of its kind in Australia, and it not only provides data for research but is also a valued support for new families in our community. I anticipate that the massive amounts of data collected by the study will be of great use in research around the world, and it is great that Joondalup will

now be part of that global story. The outcomes of this vital research being undertaken in Joondalup are already making real differences in patient care. I am told that it can take upwards of a decade for the outcomes of medical research to be realised in the treatment of patients, and this concerted effort by Joondalup Health Campus will dramatically reduce that time, resulting in better health outcomes for patients across WA and more broadly.

Any conversation that is looking at creating jobs in innovative new industries like we have been links intricately with the necessary training required to upskill and train the workforce that will be needed. TAFE and training remain a key priority of this government and our Joondalup community. Locally, the most recent investment has seen construction starting on a new \$20.4 million specialist light automotive trade training workshop at North Metropolitan TAFE. The facility will cater for emerging communication and IT technology in new vehicles, including drones. This Labor government has seen record participation in TAFE, traineeships and apprenticeships due to our focus on providing quality, affordable training to our entire WA community. Our Lower Fees, Local Skills program is keeping TAFE fees affordable for working families, and a variety of fee-free courses means that it has never been easier to pick up a new skill or change industries in the increasingly dynamic world we face.

It used to be said that we could expect to work two or three jobs in our lives. Now, for a teenager like my daughter, Mya, or my son, Ryan, that is now more like 10 possible careers. It is pleasing to see the McGowan government join the National Skills Agreement that will deliver funding for over 100 fee-free qualifications and short courses in 2023 as part of the Free in '23 initiative helping to reskill and upskill Western Australians in a range of priority sectors. Importantly for Joondalup, this also includes courses in cybersecurity.

All work on future job opportunities starts at school, and that is why it is so important that we continue to invest in our schools, ensuring that our kids are equipped in experiencing the environment and tools for the jobs of the future. The funds are being delivered through a wide range of projects to support WA kids as they learn and grow. Ocean Reef Senior High School will benefit from a new \$5 million sports hall currently being constructed on site. When completed, the sports hall will provide much greater flexibility in delivering physical education.

[Member's time extended.]

**Ms E.L. HAMILTON:** We have also seen \$1.5 million of upgrades to the early childhood block and play space at Heathridge Primary School, \$650 000 for parking and access upgrades at the two Joondalup primary schools, and \$390 000 for resurfaced basketball courts at Beaumaris Primary School.

The schools in Joondalup electorate are leaders in renewable energy and sustainability. Last year I joined in the planting of urban forests at Edgewater and Poseidon Primary Schools. The forests are planted using the Miyawaki method, which emphasises small, densely planted communities of Indigenous plant species. These projects link to the school curriculum, with students taking forest measurements to track their impact while learning about climate change and urban biodiversity. Dr Grey Coupland from the Harry Butler Institute at Murdoch University conducts this outreach program, partnering with Carbon Positive Australia, empowering students to become citizen scientists. Edgewater Primary School began revegetating its school grounds in 2021 in a project called the Living Edge. Parents, students and community members planted 800 native plants. The aim of this venture is to improve the mental health and wellbeing of the school community. A number of primary schools in the electorate have planted bush tucker, sensory and vegetable gardens. Edgewater Primary School is also a recipient of our government's \$44.6 million schools clean energy technology fund, and the new solar panels are sure to reduce energy costs and provide real-life learning opportunities for students.

Every public school, primary and secondary, is benefiting from our government's investment in STEM facilities and resources. Classrooms have already been converted into science labs at Beaumaris, Ocean Reef, Connolly, Edgewater, and Joondalup Primary Schools. Heathridge, Eddystone, and Poseidon Primary Schools have all received funding for new science labs. Funding of \$1 million has also been delivered to Ocean Reef Senior High School for a STEM classroom upgrade. This raft of investments ensures that Joondalup students can receive a STEM education in high-quality facilities, from primary school right the way through. This is very important for an innovation centre such as Joondalup, where we are creating the jobs of the future in emerging and innovative fields, including, but not limited to, cybersecurity and digital technology, for which a well-rounded set of STEM skills is vital.

I will take a moment to mention a wonderful organisation that has been supporting our school community, not only in Joondalup, but also more broadly across WA. In any contribution that I make on our wonderful electorate, recognising these wonderful community organisations is very important. The back-to-school period can be very stressful for any parent, guardian or carer, but we know that for some of the most vulnerable in our community it can be an incredibly difficult time. This is particularly true for those impacted by hardship, such as homelessness, domestic violence, poverty, natural disaster or financial hardship, who want to ensure that their children receive the best possible start at school. That is why the work of local community organisations such as Dandelions WA is so important. This year, Dandelions WA ran its back-to-school campaign. As a result, it received requests for over 6 600 "Dandi-bags" that contain the basic school essentials like stationery, hats and water bottles. Requests came from across WA, from Esperance to Perth and up to the Kimberley. It was a marathon effort for volunteers Jan,

Vicky and their team of over 100 volunteers, but they packed all 6 600 bags in time for the start of school. For some WA kids, this has meant that they can attend school with new supplies for the very first time. Dandelions WA was founded in my electorate through the work of Jan and her wonderful dedicated team of volunteers. Supporting them has been a priority for me. Last year I invited Jan and Vicky to visit Parliament House to address my colleagues, including many in the chamber today, about Dandelions' work in our community. I would like to thank former Minister for Education and Training Sue Ellery, who backed the initiative. I look forward to introducing our new Minister for Education to the team shortly. I would like to thank all my parliamentary colleagues who have been supportive of the mission of Dandelions WA—which is spreading kindness and growing hope—and its back-to-school campaign, including many members who personally purchased and delivered “Dandi-bags” on behalf of the Dandelions team.

I want to conclude my contribution today by highlighting a magnificent event that took place in Joondalup just last week. Last weekend, Joondalup hosted the opening of the 2023 Perth Festival with *Djoondal*, a premiere event bringing people together for a light and drone show at the shore of Lake Joondalup in the heart of Yellagonga Regional Park. My daughter and I attended the Friday evening event, enjoying wonderful hospitality, being part of a yarnning circle and cultural experience. Headed by Noongar theatre maker Ian Wilkes, the show was a combination of storytelling and cutting-edge technology, and there was a strong and powerful message intertwined with the light and drone spectacular. Pinar's tree, quite a prominent and significant tree along Lake Joondalup, was used to model Djoondal, the woman who, with her long white hair, collected spirit children who walked the earth then flicked them into the cosmos, birthing the Milky Way and Lake Joondalup. Her name forms the basis of Joondalup. Importantly, the event focused on the need to progress with Closing the Gap and to empower Indigenous Australians to use over 60 000 years of knowledge to help address the issues facing us. Attendance from both local residents and those who travelled to view the show was wonderful, and I would like to congratulate all involved, including illustrator Rubeun Yorkshire and lighting designer Chloe Ogilvie, on the wonderful three-day event. I also congratulate the executive director, Nathan Bennett, and artistic director, Iain Grandage. In recent years, the Perth Festival has opened the program with a retelling of Indigenous stories from across our city. I would like to commend Perth Festival for this, and encourage the telling of more Indigenous stories from all over Perth as part of future events.

There is a lot to look forward to in Joondalup as our community continues to engage and innovate. I am looking forward to seeing our students participate with the numerous world-class cyber opportunities that are emerging within our secondary, vocational and tertiary education providers here in Joondalup. As a future global workforce within this industry, I am eager to see the continued collaboration with and investment into our students, as well as the infrastructure that enables these Australians to become world leaders in innovation. Over the past few years we have gone through a once-in-a-century pandemic, had two natural disasters in WA and had state and federal election campaigns, both of which firmly reinforced the Western Australian public's confidence in our WA Labor team. As the local member, it is important for me to hear from our community and I was out and about last year, chatting to locals whenever I could, be that at their doors, on the phones, at one of the number of mobile or open offices that I held at local parks, at coffee shops or after-hours in my office, at a community forum or a workshop. I want to thank everyone who has shared their views with me. A big thanks to my amazing team of volunteers who help me share information by letterboxing, calling, being out in the community and volunteering in my office. I am very grateful for your support. I very much look forward to continuing to work for our Joondalup community over what I am sure will be an awesome 2023.

Debate adjourned, on motion by **Ms C.M. Rowe**.

*House adjourned at 4.58 pm*

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