

Prime Minister's Prizes for Science

Promotional Toolkit for 2022 Nominations





Your toolkit to encourage nominations for the 2022 Prime Minister's Prizes for Science.

This toolkit has been prepared by the Department of Industry, Science, Energy and Resources to help your organisation promote and encourage nominations for the 2022 Prime Minister's Prizes for Science.

As a valued and influential organisation, we greatly appreciate your awareness-raising support.

The Prizes are Australia's most prestigious awards for outstanding achievements in scientific research, research-based innovation and excellence in science teaching. Prize recipients receive national and international recognition of their work, and they inspire the next generation to pursue a career in science.

Nominating is <u>simple and easy</u> – it can be done by leaders, colleagues, peers and mentors of potential nominees in the science, innovation, and science teaching communities.

What's inside this toolkit?

This toolkit contains practical and tailored information that your organisation can distribute to staff, members, networks and communities from today onwards.

We have included:

- key messages about nominating for the 2022 Prime Minister's Prizes for Science
- snapshots of some of the previous Prime Minister's Prizes for Science recipients
- ready-to-use promotional assets for your channels, including digital and social media
- social media graphics, website banners and video links to support your communications.

If you would like additional information or have any questions, please contact Tom Scambler, Porter Novelli at tscambler@porternovelli.com.au.

Thank you for supporting this important initiative to recognise Australia's world-class science community, and the critical role teachers play in inspiring the next generation of Australian scientists and innovators.



Key messages about nominating for the 2022 Prime Minister's Prizes for Science





THE PRIME MINISTER'S PRIZES FOR SCIENCE

- Nominations are now open for the Prime Minister's Prizes for Science (the Prizes).
- The Prizes are Australia's most prestigious awards for outstanding achievements in scientific research, research based innovation and excellence in science teaching.
- The Prizes (and accompanying prize money) are:
 - Science Prizes:
 - Prime Minister's Prize for Science (\$250,000)
 - Frank Fenner Prize for Life Scientist of the Year (\$50,000)
 - Malcolm McIntosh Prize for Physical Scientist of the Year (\$50,000)
 - Prime Minister's Prize for Innovation (\$250,000)
 - Prize for New Innovators (\$50,000).
 - Science Teaching Prizes:
 - Prime Minister's Prize for Excellence in Science Teaching in Primary Schools (\$50,000)
 - Prime Minister's Prize for Excellence in Science Teaching in Secondary Schools (\$50,000).
- In addition to Prize money, recipients also receive an award certificate and a medallion (with matching lapel pin), produced by the Royal Australian Mint.

WHEN DO NOMINATIONS OPEN?

• Nominations opened on 24 November 2021, and close at 5:00pm AEDT on 10 February 2022.

WHY NOMINATE?

- By nominating someone for a Prize, you are recognising their outstanding work. Nominating is a meaningful acknowledgement of the value your nominee contributes to science.
- In addition to receiving Prize money, Prime Minister's Prizes for Science recipients are nationally recognised by the Australian Government, enabling them to further showcase their scientific discovery, commercial venture or teaching achievements.

WHO CAN NOMINATE?

- Nominations can be made by leaders, colleagues, peers and mentors of potential nominees in the science, innovation, and science teaching communities.
- To be eligible to submit a nomination, a nominator must:
 - o not be related to the nominee
 - be personally knowledgeable of the nominated achievement and be able to offer expert opinion about its worth
 - o hold professional qualifications in the same or closely-related field as the nominee
 - o ensure the nominee is willing to be nominated
 - o provide evidence necessary to support the nomination.
- Employees of publicly-funded research organisations are able to nominate.



WHO CAN BE NOMINATED?

- Prize nominees can span diverse disciplines and career stages.
- We are committed to improving the diversity of nominees for the Prime Minister's Prizes for Science. We welcome nominations of women, Aboriginal or Torres Strait Islander people, members of the LGBTIQA+ community, people with disability and people from regional and remote parts of Australia.
- For the Science Prizes, nominees must be Australian citizens or permanent residents of Australia whose work is in the following fields (as defined in the Australian and New Zealand Standard Research Classifications 2020):
 - Agricultural, Veterinary and Food Sciences
 - o Biological Sciences
 - o Biomedical and Clinical Sciences
 - Chemical Sciences
 - Earth Sciences
 - Engineering
 - o Environmental Sciences
 - o Health Sciences
 - o Indigenous studies, Group 4506 Aboriginal and Torres Strait Islander sciences
 - o Indigenous studies, Group 4517 Pacific Peoples sciences
 - Information and Computing Sciences
 - Mathematical Sciences
 - Physical Sciences.
- For the Science Teaching Prizes, the term 'science' is taken to include the following learning areas of the Australian Curriculum for Kindergarten to Year 10, and related subjects in Years 11 and 12 as endorsed by the Education Council:
 - o Science
 - o Mathematics
 - o Technologies.
- All primary and secondary school teachers who actively teach science, mathematics or technology are eligible to be considered for the Science Teaching Prizes. They do not have to be a specialist STEM (science, technology, engineering, mathematics) teacher.
- A nominee must:
 - o not be self-nominated
 - not be nominated in more than one Prize category. Prize nominees do not need to be a member of a professional association or a recipient of any prior award to be eligible.



HOW TO NOMINATE

- The nomination process is designed to be easy and accessible for nominators.
- Four easy stages for Science Prizes:
 - 1. Nominate: visit <u>business.gov.au/scienceprizes</u> and complete the <u>nomination form</u> with a short achievement summary of your nominee (up to 500 words), contact details of two supporters and two independent referees, with supporting documentation.
 - 2. Shortlist: if shortlisted, nominators will be invited via email to submit an online application form to address the relevant assessment criteria. This includes sourcing and providing content from two supporters.
 - 3. Verify: the Prizes' independent selection committee will verify claims made in the nomination submission.
 - 4. Notify: Prize recipients and their nominators are notified via phone of their recognition and invited to attend the 2022 Prime Minister's Prizes for Science event.
- Four easy stages for Science Teaching Prizes:
 - 1. Nominate: visit <u>business.gov.au/scienceteachingprizes</u> and complete the <u>nomination form</u> with a short achievement summary of your nominee (up to 750 words), contact details of two supporters, with supporting documentation.
 - 2. Shortlist: if shortlisted, nominators will be invited via email to submit an online application form to address the relevant assessment criteria. This includes sourcing and providing content from two supporters.
 - 3. Verify: the Prizes' independent selection committee will verify claims made in the nomination submission.
 - 4. Notify: Prize recipients and their nominators are notified via phone of their recognition and invited to attend the 2022 Prime Minister's Prizes for Science event.

MORE INFORMATION

- Nominations are assessed by an independent selection committee, which may include members of relevant industry associations, industry stakeholders or subject matter experts. The independent selection committee for the Science Prizes is chaired by Australia's Chief Scientist.
- Promote the 2022 call for Prizes' nominations using the free toolkit at industry.gov.au/pmprizes.
- Like and share nomination posts about the Prizes at <u>@ScienceGovAu</u> on Twitter, <u>@IndustryGovAu</u> on Facebook and <u>/department-of-industry</u> on LinkedIn.
- Learn about the 2021 Prizes recipients at industry.gov.au/pmprizes.
- The Prizes are a component of the Inspiring Australia Science Engagement Programme. More at: industry.gov.au/funding-and-incentives/inspiring-australia-science-engagement-in-australia. Contact the Prizes Secretariat at <u>pmprizes@industry.gov.au</u>.



Meet some of the Prime Minister's Prizes for Science recipients





Emeritus Professor Cheryl Praeger AC

The University of Western Australia

2019 Prime Minister's Prize for Science

The University of Western Australia's Emeritus Professor Cheryl Praeger received the 2019 Prime Minister's Prize for Science, Science for her internationally-acclaimed research in mathematics, including fundamental contributions to group theory, permutation groups and combinatorics.

Her highly innovative work includes research into the mathematics of symmetry in graphical models. These have far-reaching applications, such as enabling search engines to retrieve information efficiently from the World Wide Web. Emeritus Professor Praeger is similarly famous for her research and work on algorithms – many of her algorithms are incorporated into powerful computer systems and have transformed the way in which algebra research and teaching is conducted.

"Receiving the Prime Minister's Prize for Science is a wonderful statement about the importance of mathematics. It also recognises the achievements of me and my colleagues and students in the mathematics of symmetry."



Nominator's message

"Throughout her extensive career, Emeritus Professor Praeger has had a remarkable influence in mentoring and developing mathematics in Australia. She has supported women in mathematics and science, while advocating for mathematics in schools at all levels and promoting the discipline in emerging economies." – **Professor Robyn Owens, The University of Western Australia**

Learn more about Emeritus Professor Praeger's recognition and the importance of nominations for the 2022 Prime Minister's Prizes for Science <u>here</u>.



Distinguished Professor Susan Scott, Emeritus Professor David Blair, Professor David McClelland, Professor Peter Veitch

The Australian Research Council Centre of Excellence for Gravitational Wave Discovery

2020 Prime Minister's Prize for Science

Distinguished Professor Susan Scott, Emeritus Professor David Blair, Professor David McClelland and Professor Peter Veitch from the Australian Research Council Centre of Excellence for Gravitational Wave Discovery (OzGrav) shared the 2020 Prime Minister's Prize for Science for their critical contributions to the first direct detection of gravitational waves on Earth – a groundbreaking discovery in the world of physics.

The impact of their discovery has been immense; opening up previously unknown parts of the Universe such as hidden black holes, understanding the origin of gamma ray bursts (and with the potential to discover how supernovae explode), and to even peer back to the beginning of time at the Big Bang.

"The pioneering work of our team over the last quarter of a century has ensured that Australia played a leading role in the first direct detection of gravitational waves. Australia is now in a position to be a powerhouse in the emergent field of gravitational wave astronomy."





Nominator's message

"Much of modern big science, like gravitational wave research, must be done in very large international teams, often with hundreds or more of collaborators. It is very encouraging for Australian scientists who are leaders in big discoveries from these massive research enterprises to be recognised in this way." – **Professor Kenneth Freeman, Duffield Professor, The Australian National University**

Learn more about the OzGrav team's recognition and the importance of nominations for the 2022 Prime Minister's Prizes for Science <u>here</u>.



Professor Anthony Weiss AM

The University of Sydney

2021 Prime Minister's Prize for Innovation

The University of Sydney's Professor Tony Weiss AM received the 2021 Prime Minister's Prize for Innovation, recognising his pioneering research and commercialisation of synthetic tropoelastin-based biomaterials, which can accelerate and improve the repair of human tissue.

In 2008, he founded the company Elastagen to commercialise his research and inventions. The company raised \$35 million in venture capital and grant funding, completed clinical trials and scaled-up production. Ten years later, Elastagen was sold to one of the world's largest biopharmaceutical companies for \$334 million – one of the largest transactions ever completed in Australia's life science sector.

"To receive the Prime Minister's Prize for Innovation means a great deal to me. It's an extraordinary process to reach the point where innovation succeeds. The process of innovation is a roller-coaster; there are ups and downs, but it's always a journey forward. This recognition is testament to the many people who have been part of this journey with me. Most importantly, it's a celebration of science and innovation in our country."



Nominator's message

"Professor Weiss' entrepreneurialism is creating a legacy; his achievements offering encouragement and a practical blueprint. He mentors many Australian researchers on how to collaborate with industry partners and external funders, establish local start-up companies, secure a strong IP position, and commercialise inventions for global markets." – Brigitte Smith, Managing Director, GBS Venture Partners

Learn more about Professor Weiss' recognition and the importance of nominations for the 2022 Prime Minister's Prizes for Science <u>here</u>.



Mrs Megan Hayes

Mudgeeraba Creek State School, QLD

2021 Prime Minister's Prize for Excellence in Science Teaching in Primary Schools

Mudgeeraba Creek State School's science, technology, engineering and mathematics (STEM) specialist and primary teacher, Mrs Megan Hayes is recognised for her outstanding work in championing the importance of STEM education and preparing students as 'agents of change' for the future.

Recipient of the 2021 Prime Minister's Prize for Excellence in Science Teaching in Primary Schools, Mrs Hayes is an innovative educator whose philosophy is to build the connection between science and its application in the real world for her students. She developed and now leads a Professional Learning Team for Science at the school, which has positively impacted student learning outcomes.

"My philosophy for teaching is to find as many ways as possible to connect students with real world experiences. By doing so, we can prepare them to be 'agents of change' in the future. We can equip them with the 21st century skills they need, such as problem-solving and collaboration."



Nominator's message

"Mrs Hayes is a teacher who gives freely of her time and experiences to others. She works tirelessly with high-profile 'real world' scientists to expand on current curriculum content to give her students the skills and understanding to unlock the world around them." – Mrs Deirdre von Guilleaume, Principal, Mudgeeraba Creek State School.

Learn more about Mrs Hayes' recognition and the importance of nominations for the 2022 Prime Minister's Prizes for Science <u>here</u>.



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Ready-to-use assets and content

We have developed a suite of 'ready to use' messages and assets for your organisation to promote the importance of nominations for the 2022 Prime Minister's Prizes for Science.

The assets in this toolkit are designed to help you deliver consistent and clear messages about the Prizes across your communications channels.



Do you know a scientist, research or research-based innovator making an impact?

Nominate them for the 2022 Prime Minister's Prizes for Science now!

The Prizes are Australia's most prestigious awards for outstanding achievements in scientific research, research-based innovation and excellence in science teaching.

There are seven Prizes recognising achievements across a range of disciplines and career stages.

Recipients will share \$750,000 in prize money and receive national recognition by the Australian Government, enabling them to showcase their scientific discovery or commercial venture.

Follow the four-stage process to nominate for the Prime Minister's Prizes for Science:

📣 Nominate

- Science Prizes visit <u>business.gov.au/scienceprizes</u> and complete the online nomination form with a short achievement summary about your nominee (up to 500 words), and contact details of two supporters and two independent referees.
- Science Teaching Prizes visit <u>business.gov.au/scienceteachingprizes</u> and complete the nomination form with a short achievement summary of your nominee (up to 750 words), and contact details of two supporters.

Shortlist

If shortlisted, nominators will be invited via email to prepare a more detailed nomination addressing the assessment criteria.

Verify

The Prizes' independent selection committee will verify the nomination.

Notify

Selected Prize recipients and their nominators are notified of their recognition and invited to attend the 2022 Prime Minister's Prizes for Science event.

Nominations close 5:00pm AEDT on Thursday 10 February 2022.

Find out more at: business.gov.au/scienceprizes



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NEWS ARTICLE FOR WEBSITES & E-NEWSLETTERS

Nominations are now open for the 2022 Prime Minister's Prizes for Science.

The Prime Minister's Prizes for Science are Australia's most prestigious awards for outstanding achievements in scientific research, research-based innovation, and excellence in science teaching.

By nominating someone for a Prize, you are making a meaningful acknowledgement of the outstanding work and the value that your nominee contributes to science, research-based innovation and science, technology or mathematics teaching and the wider science fields.

Nominations can be made by leaders, colleagues, peers and mentors of potential nominees in the science, innovation, and science teaching communities.

The seven Prime Minister's Prizes for Science include:

- Prime Minister's Prize for Science
- Prime Minister's Prize for Innovation
- Frank Fenner Prize for Life Scientist of the Year
- Malcolm McIntosh Prize for Physical Scientist of the Year
- Prize for New Innovators
- Prime Minister's Prize for Excellence in Science Teaching in Primary Schools
- Prime Minister's Prize for Excellence in Science Teaching in Secondary Schools

Prize recipients are nationally recognised by the Australian Government, enabling them to further showcase their scientific discovery, commercial venture or teaching achievements. They also receive prize money, an award certificate and a medallion (with matching lapel pin) produced by the Royal Australian Mint.

Nominate today to recognise someone's exceptional work and contribution to science.

Visit business.gov.au/scienceprizes.

Nominations close 5:00pm AEDT on Thursday 10 February 2022.



SOCIAL MEDIA POSTS

General posts for Science Prizes

Facebook & LinkedIn	Nominations for the 2022 Prime Minister's Prizes for Science (Prizes) are now open. The Prizes are Australia's most prestigious awards for outstanding achievements in scientific research, research-based innovation and excellence in science teaching. If you know an Australian scientist or innovator whose work benefits Australia and the rest of the world, nominate them now for a Prize. Go to <u>bit.ly/3lKd9l3</u> .	
Twitter & Instagram	 #pmprizes Do you know an Australian scientist or innovator whose work benefits Australia and the rest of the world? Nominate them for the 2022 Prime Minister's Prizes for Science via bit.ly/3IKd9I3. #pmprizes 	

General posts for Science Teaching Prizes

Facebook & LinkedIn	 Nominations for the 2022 Prime Minister's Prizes for Science (Prizes) are now open. The Prizes are Australia's most prestigious awards for outstanding achievements in scientific research, research-based innovation and excellence in science teaching. If you know a dedicated and passionate #STEM teacher, nominate them for one of the 2022 Science Teaching Prizes. Visit <u>bit.ly/3s0tQsl</u>. #pmprizes
Twitter & Instagram	Nominations for the 2022 Prime Minister's Prizes for Science (Prizes) are now open. Do you know an inspiring and enthusiastic #STEM teacher who should be recognised for their outstanding contributions in teaching? Nominate them for the 2022 Prizes via <u>bit.ly/3s0tQsl</u> . #pmprizes



Example posts for past Prize recipients – Emeritus Professor Cheryl Praeger AC

Facebook & LinkedIn	Emeritus Professor Cheryl Praeger AC was awarded the 2019 Prime Minister's Prize for Science for her internationally-acclaimed research in mathematics, including fundamental contributions to group theory, permutation groups and combinatorics. For more than 40 years, she has lived her passion for education and demonstrated an extraordinary ability to foster and inspire others with her love of mathematics, creating a huge body of academic work and an equally large body of service for the generation of new mathematicians in Australia. If you know someone like Emeritus Professor Praeger, nominate them for the 2022 Prizes via <u>bit.ly/3IKd9I3</u> .
Twitter & Instagram	Emeritus Prof Cheryl Praeger AC (recipient of the 2019 Prime Minister's Prize for Science) was only the second woman to be appointed a professor of mathematics at an Australian university. If you know somebody like her, nominate them for the 2022 Prizes today: <u>bit.ly/3IKd9I3</u> .

Example posts for past Prize recipients - ARC Centre of Excellence for Gravitational Wave Discovery

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Facebook & LinkedIn	Have you ever heard about gravitational wave theory? Distinguished Professor Susan Scott, Emeritus Professor David Blair, Professor David McClelland and Professor Peter Veitch were joint recipients of the 2020 Prime Minister's Prize for Science (Prizes) for their contributions to the first direction of gravitational waves, placing Australia at the fore in exploring this window into the Universe.
	The discovery allows us to now explore unknown parts of the Universe and peer back to the beginning of time at the Big Bang. Their achievements are not only inspiring to physicists but also young Australians aspiring to pursue a career in #science.
	If you know an Australian scientist or innovator whose work benefits Australia and the rest of the world, nominate them now for a Prize. Go to bit.ly/3IKd9I3. #pmprizes
Twitter & Instagram	Heard of gravitational wave theory? A team from OzGrav received the 2020 Prime Minister's Prize for Science for their research that allows us to explore the Universe.
	Nominations for the 2022 Prime Minister's Prizes for Science are now open. Visit <u>bit.ly/3IKd9I3</u> . #pmprizes



Example posts for past Prize recipients – Professor Anthony Weiss AM

Facebook & LinkedIn	 Professor Anthony Weiss AM was awarded the 2021 Prime Minister's Prize for Innovation for his pioneering research and commercialisation of synthetic tropoelastin-based biomaterials, which can accelerate and improve the repair of human tissue. Not only was Prof. Weiss dedicated to his research, he also persevered and commercialised the product, putting it on shelves in hospitals and elsewhere. He continues to share his knowledge in a bid to inspire the next generation of life science technologies. If you know someone like Prof. Weiss, nominate them for the 2022 Prime Minister's Prizes for Science via bit.ly/3lKd9l3.
Twitter & Instagram	Did you know that there are now biomaterials that can accelerate human
	tissue repair thanks to the work of 2021 Prime Minister's Prize for Innovation recipient, Professor Anthony Weiss AM? If you know somebody like Prof. Weiss, nominate them for the 2022 Prizes today: <u>bit.ly/3IKd9I3</u> .

Example posts for past Prize recipients – Mrs Megan Hayes

Facebook & LinkedIn	 In 2021, Mrs Megan Hayes was awarded the Prime Minister's Prize for Excellence in Science Teaching in Primary Schools. As an innovative educator whose philosophy is to build the connection between science and its application in the real world for her students, Mrs Hayes inspires students to think critically, take risks and become 'agents of change' for the future. Nominate a dedicated #science, #mathematics or #technology educator like Mrs Hayes for the 2022 Prime Minister's Prizes for Science now: bit.ly/3s0tQsl.
Twitter & Instagram	Mrs Megan Hayes was the recipient of the 2021 Prime Minister's Prize for Excellence in Science Teaching in Primary Schools. As a STEM specialist, Mrs Hayes' key focus is to build a connection between science and the real world for her students.Nominate a dedicated #science, #mathematics or #technology educator for the 2022 Prime Minister's Prizes for Science: bit.ly/3s0tQsl .



WEBSITE BANNER GRAPHIC

WEBSITE BANNER GRAPHIC COPY:

Nominations for the 2022 Prime Minister's Prizes for Science are now open.

Find out more at: <u>business.gov.au/scienceprizes</u>

SOCIAL MEDIA HEADER GRAPHICS

WEBSITE BANNER GRAPHIC COPY:

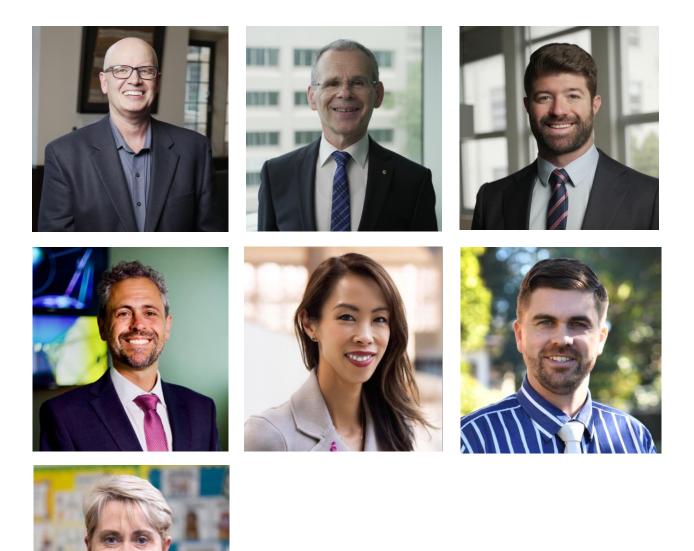
Nominations for the 2022 Prime Minister's Prizes for Science are now open.

Find out more at: <u>business.gov.au/scienceprizes</u>



EMBEDDED VIDEO HYPERLINKS

You are welcome to use these videos of the 2021 Prize recipients to help promote nominations for the 2022 Prime Minister's Prizes for Science. Just embed the hyperlinks into your communications:





Nominate for the 2022 Prime Minister's Prizes for Science today

Find out more at: business.gov.au/scienceprizes

