



Indooroopilly Men's Shed Inc. 60A Stamford Road, P.O Box 74, Indooroopilly Q 4068.

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Indro Schedule

July 2022. W1

Sunday 2	Monday 3	Tuesday 4	Wednesday 5	Thursday 6	Friday 7
Sunrise 6:38am 9am to 12 noon Shed Maintenance Work Party Followed with freshly cooled Pizza and cold beer.	6:30am Outdoor Walkers St Lucia	8am Indoor Walkers Indro Shop/Centre 10am to 12 noon Coffee and Chat	6:30am Outdoor Walkers Graceville	8am Indoor Walkers Indro Shop/Centre 10am to 12noon Discussion Group: Topic TBA. First and Third	6:30am Outdoor Walkers Taringa 10am to 12.15pm Ukulele Group. Venue - Scout Den Kenmore
Sunset 5:05pm	1pm to 4pm Bicycle Maintenance 1:00 to 4:00pm Woodturning with Garth	12 noon to 5pm Woodworking Native bee Hotels & own projects	1pm to 5pm. Bicycle Maintenance	12noon to 5pm. Woodworking Native bee Hotels & own projects 1:00 to 4:00pm Woodturning with Bruno	1.30pm to 2.30pm Yoga Anglican Church Hall, Lambert - Fairley St

Activity Co-ordinators
<p>Bicycle Maintenance: Alan Baker, imshedbikes@gmail.com</p> <p>Book Club: Garth Forster, IMSbibliophiles@gmail.com</p> <p>Computers: Burt Beasley, burt.beasley@gmail.com</p> <p>Drawing: Des Derrington, paogong@hotmail.com</p> <p>Guest Speakers: Pieter Scheelings, piet_scheelings@yahoo.com.au</p> <p>Metalwork: Rob Webb, 8rwebb@gmail.com</p> <p>Talking Books & Discussion Groups: Kirk Knipmeyer kirk.knipmeyer@gmail.com</p>
<p>Movie Club/Shed Flix: Chris Walker c.walker2@optusnet.com.au</p> <p>Ukulele: Bob Barker, indiukes@gmail.com</p> <p>Outdoor Walking: Les de Kretser, les@dekwright.com.au</p> <p>Indoor Walking: Malcolm Halket halket.malcolm@gmail.com</p> <p>Woodturning: Garth Forster, imswoodworking@gmail.com Bruno Pinese, bruno.pinese29@gmail.com</p> <p>Workshop, OH&S Training Manager: Paul Dunstan paul.dunstan@indroshed.org.au</p> <p>Yoga: Larry Whitehead, larry.whitehead@bigpond.com</p>

Submissions for the Newsletters please send to Geoff Webb geoff.webb@indroshed.org.au

Astronomy News

July 12 is the date when the first photos from the JWST will be released to the public. Astronomers are getting quite “toey” in anticipation, several previewers have been chumming all those interested in seeing the new snaps.

<https://arstechnica.com/science/2022/06/nasa-teases-extraordinary-images-captured-by-its-webb-telescope/>

Until then I offer up the 2022 Hubble Space Telescope Calendar for a taste of what is to come

<https://esahubble.org/media/archives/calendars/pdfsm/cal2022.pdf>

Kiwi Moon Shot

An interesting rocket has been launched to send a small satellite to orbit the moon using the least energy possible. What is most interesting with this launch is it being done using a very small rocket that at first appears to be not powerful enough to even reach the moon let alone orbit it.

How are they doing this? Firstly the rocket has been designed in NZ and built so it is the lightest weight possible, most of the rocket's weight is fuel, every gram has been scrutinized, there is zero fat on this one. It was launched from New Zealand. More details here:

<https://everydayastronaut.com/capstone-electron/>

The Electron rocket after being launched into orbit then fires its rocket engine for a brief burn to create an elliptical orbit. With each successive burn the orbit becomes more and more elliptical and with each orbit the earth's gravity drawing the satellite back increases its velocity further (gravity assist). In two days Electron will perform its final burn leaving earth's gravity and coasting off to the moon. It will take 3 to 4 months to get there. The satellite will be inserted into an earth-facing orbit so the satellite never goes behind the moon out of view of earth. This is a test for future communication satellites to be used on the future SLS manned moon missions being prepped now. <https://t.co/6dX1CwMOKb>

This animation shows how the Sun's gravity enables Ballistic Lunar Transfers (BLTs). The BLT will allow the #CAPSTONE spacecraft, which launched on Monday, to reach the Moon with minimal fuel. The BLT path is traced by the blue line. The Earth is at the center.

<https://t.co/7jccXI06RX>

I will be keeping an eye on the Kiwi's and their progress with this very clever space mission.

Fusion Animals

These 'Beach Animals' were created by Theo Jansen as a fusion of art and engineering. The kinetic structures walk on their own and get all their energy from the wind.

<https://t.co/1m2JvPXUSB>

9 Ways to cut your fuel costs

You probably already know of these but here is a good reminder.

<https://thenewdaily.com.au/finance/your-budget/2022/06/14/fuel-savings-tips-petrol-prices/>

Other lesser known space programs

The Poms have been working on a space program for some time. The rocket has been constructed and is awaiting the right conditions for a launch from the Isle of Wight Space Centre.

Videos to follow.

St Catherine's Oratory, Isle of Wight UK



Latest COVID News

<https://www.health.gov.au/sites/default/files/documents/2022/06/covid-19-vaccine-rollout-update-25-june-2022.pdf>

And finally for this week...

The bike group have been hard at work

<https://www.youtube.com/watch?v=PX3A7GLtFqM>

