TE WHARE WHAA RAU MA TAHI CENTRE 401 TRUST





WRITTEN BY AND FOR PEOPLE WITH EXPERIENCE OF MENTAL HEALTH





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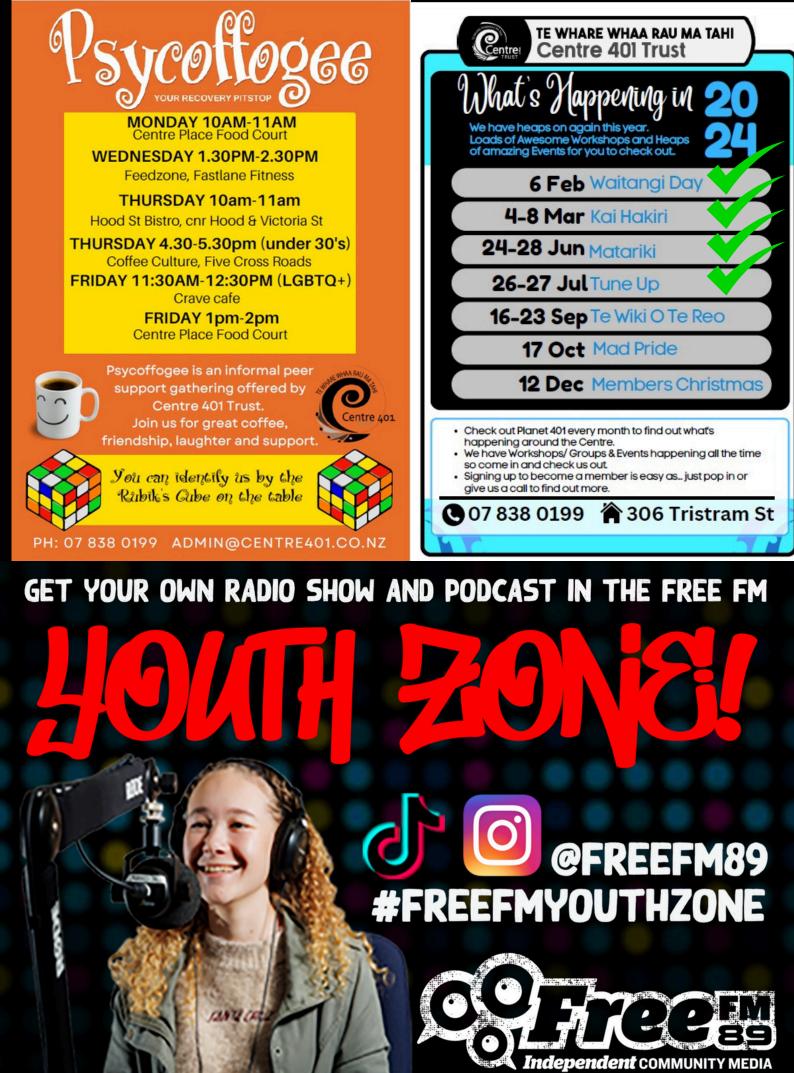
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Random Riddle: What can be touched but can't be seen?





rua



# HOW DO COMPUTERS TALK TO EACH OTHER?

This month I'm going to (quickly) cover networking and how two computers talk to each other. I'm going to keep it simple so don't tune out yet.This is only Internet Protocol 4 (IPv4) networking and won't touch on things like Bluetooth, or the Network Address Translation (NAT) that allows your private address to talk in the big bad world.

In the days when you sent a paper letter to someone you needed to know their address. This could include a room number, street number, street name and town. From that the Post Office could send your letter to the right town then the postie would deliver it to you. Networking is similar. You are part of a network (street) and your device has an IPv4 address (street number). On your local network (assuming a common home configuration) your network is 192.168.1. (street) and your modem address is 254 (street number). Your device will have the same network address, but a unique host address, such as 103 or 204. So, if my machine 192.168.1.201 wants to talk to yours at 192.168.1.27 it knows that it is on the same network (street) and so sends the data direct.

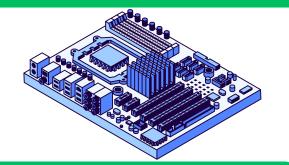
When your device starts it broadcasts a query to the entire network asking for an address. A DHCP (Dynamic Host Configuration Protocol) program running on your modem gets the query and responds with a unique valid address.It also sends a default route and DNS (Domain Name Service) information.





If you want to talk to a web server such as www.google.com your machine will send a request to the configured DNS asking it to translate the name you have given into an IPv4 address.It then tries to contact the given address. An example address for www.google.com is 142.250.66.196 and as this is not on my own network (street) it sends the data to the default route (my modem) and lets it sort out where to send it. This is like a letter that isn't addressed to someone outside your area that is sent to the central post office and they sort out where it goes. With me so far?

Street name = Network Address (your local network) Street number = Host address (unique to each device on the network) The last little bit is the TCP (Transmission Control Protocol) port the data is sent to.This is like the room number.When you contact a server and ask for a web page, that same server may well handle requests for email, databases, files and a load of other things.



In order to know that you are asking for a web page your device sends it to a know port on the server. For web it is port 80 (or 443 for secure web (HTTPS) requests). This is like having a German in room 1, and Italian in room 2 and a Chinese in room 3, each of whom only speaks one language. If a letter arrives for room 2 but written in German then it would get dropped on the floor as unreadable.A web request to anything other than port 80 would also get dropped on the floor as unreadable. Anything other than a web request to port 80 would also not work.

So, the last bit of the network puzzle is the port address Room number = Port address

So, if your device has an address on the correct network it can talk to any other device on that network.If it also has a default route it can talk to any device world-wide. If you have a DNS set then it can translate the names you give it (like www.centre401.co.nz) to an address it can use (like 103.6.212.188) and so reach the service you want on the internet. Lets Talk Dirt was a name that we thought would bring a giggle and more importantly regenerate interest in our awesome garden. Spring is just around the corner and theres loads to do!

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proubdly presented by Garden Wisdom



Join us every 2nd Friday OR everyday if your super keen to get our garden into Spring Tip Top condition! We will be looking to spruce up around our garden, from water-blasting, seed raising, planting, Weed whacking...you name it, we do it! Find your inner greenie and head on down to

talk some dirt!

## How to make the most of the new season?

Just as nature goes through its cycles of change, we too can take advantage of the spring season to prioritize our mental health and embrace fresh starts and a new outlook as the year winds down. After a long and challenging year, spring can be a perfect time to hit the reset button and focus on our mental well-being.

# Make use of daylight savings!

With longer days and warmer temperatures, spring offers the perfect opportunity to get outside and soak up some Vitamin D. Spending time in nature has been proven to boost mood and reduce stress. Take a walk in the park, go for a hike, or simply sit in your backyard and enjoy the beauty of the season. Outdoor activities can help you feel more connected to nature and provide a fresh perspective, which can contribute to a more positive outlook.

#### **Refresh your space!**

Spring is a great time to set new goals and prioritize self-care. Reflect on what you want to achieve in the coming months and set realistic and achievable goals for yourself. It could be a personal or professional goal, such as learning a new hobby, improving your fitness, or advancing in your career.

#### Connect!

Social connections are crucial for mental health and wellbeing. As the weather gets warmer, take advantage of the opportunity to connect with others. Plan outdoor activities with friends and loved ones, such as picnics, barbecues, or outdoor sports. You can also join a local gardening club or participate in community events to foster a sense of belonging and connection.

### **Refresh your space!**

Just as nature sheds its winter coat and blooms anew, you can take the opportunity to declutter and refresh your living space. A cluttered environment can contribute to feelings of stress and overwhelm. Take some time to clean out your living space, organize your belongings, and create a fresh and inviting atmosphere. You can also add some touches of spring, such as fresh flowers or potted plants, to bring a sense of renewal and vitality into your home.



pring Cleaning Tips

 Start with a clean slate. Empty the wardrobe completely. Making piles of certain types of clothing items can help!
Donate old clothes! Putting a pile of clothes that you don't wear or want anymore is an awesome way to reduce waste!
Before diving into a deep clean, decluttering is essential, Go through each room and set aside items you no longer need or haven't used in the past year. Make piles for charity shop donations, regifting and chucking.
Clutter is magnified in small spaces. If you don't need it chuck it. Everything should have it's place.

5. Clean **one space or room at a time.** Do this to avoid overwhelming yourself.



Style is something we are definitely not short of at Centre 401 Trust...check out these 2 groovers! hmmm we are getting some ideas for our Madpride 80's theme...nek step...can I borrow the boa Amanda?







Spread love everywhere you go. Let no one ever come to you without leaving happier.

Mother teresa

## <sup>66</sup>QUOTATIONS<sup>99</sup>

In the end it's not the years in your life that count./ It's the life in those years.

Abraham Lincoln 🧧

Why did the banana go to hospital? He was peeling real bad

> Why didn't the teddy bear eat dessert? He was stuffed!

What did the cupcake tell its frosting? I'd be muffin without you.

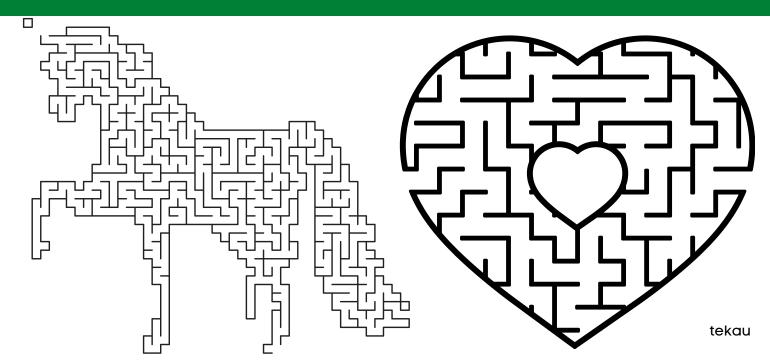
What time is it when you have to go to the dentist? Tooth hurty





If you have anything funny that you think may lift some ones mood email to reception@centre401.co.nz

## PUZZLE OF THE MONTH



# PLANET LET WHAA RAU MA TAHI

