

## **Transcription Without Word Stress**

I'm Rebecca Morelle, the BBC's science correspondent  
and here's what you need to know about the new planet Proxima b.

It's close

In space terms, this planet's practically our neighbour.

It's "just" four light years away

It turns out it's been hiding right under our noses,

Orbiting around our closest star [outside our Solar System], Proxima Centauri.

It's Earth-sized

Proxima b is roughly the same size as the Earth

And like our planet, scientists think it's a rocky, solid world.

It's in the Goldilocks zone

This means the planet's not too close to its star and too hot,

or too far away and too cold. Instead it's just right:

just right for liquid water to potentially exist.

And if there's water, there might be life.

But radiation is an issue

So don't get too excited.

Proxima b orbits a highly active star that blasts out incredibly intense radiation.

That would make it tricky for anything to survive, but some think it might not rule life out.

Getting there is mission impossible

Even though this exoplanet is the closest we've ever found,

it would still take thousands of years to get there.

But it's still a great place to study

and with ground and space-based telescopes scientists will /be able to/  
take a closer look to find out if

Proxima b really does have the conditions that are right for life.

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