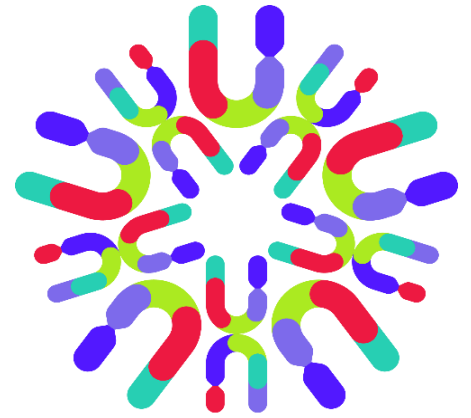
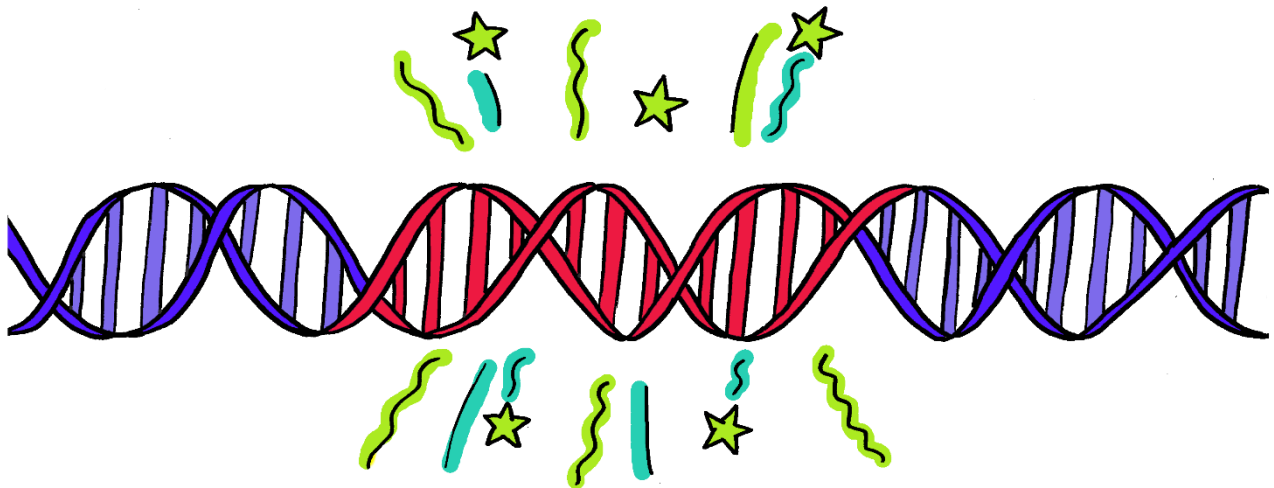




unique

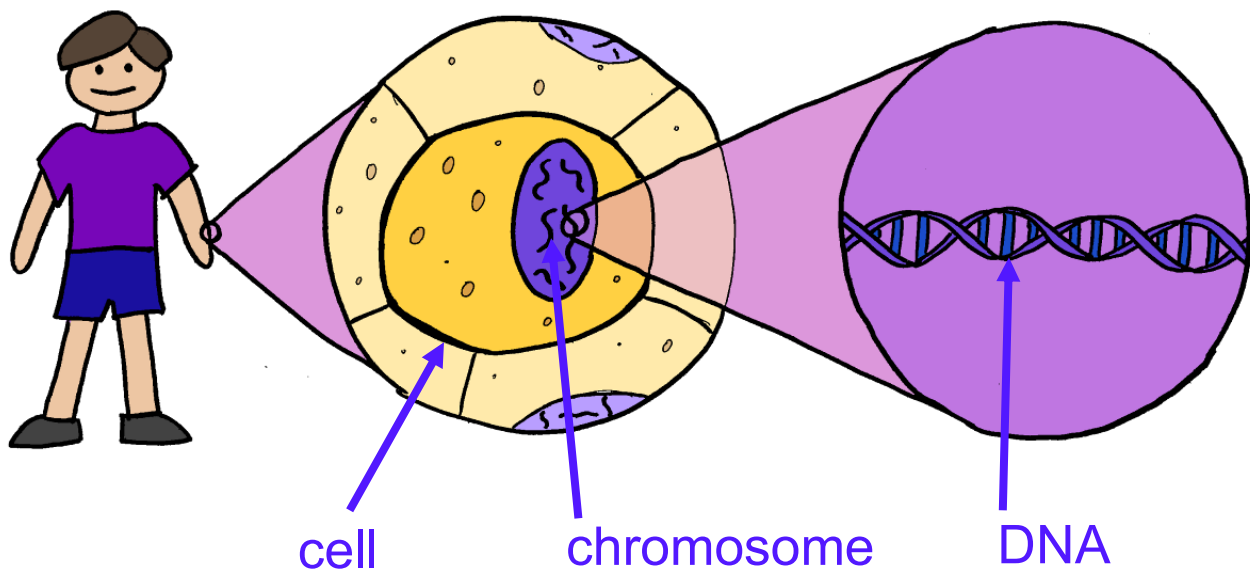
UNDERSTANDING GENES
& CHROMOSOMES



My Chromosome Story

A picture book for children with
a chromosome 9q34 duplication

rarechromo.org

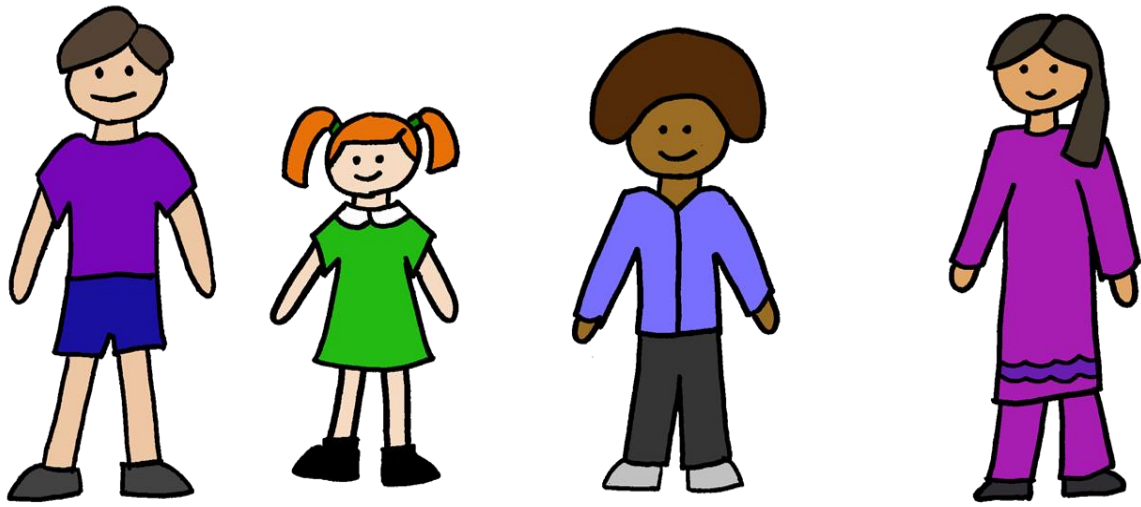


Your body is built from tiny building blocks called **cells**.

Almost all of your cells contain **DNA**, which is full of instructions on how to make you.

The instructions are quite long and complicated and so they are split into different parts called **chromosomes**.

It might help to imagine these instructions are like a big book, and each chromosome is a different chapter.



DNA helps to determine how tall you are, what colour hair you have and lots of other things about you.

But DNA doesn't determine everything.

Things that happen in your life make a difference as well. If you listen to lots of music you might know more songs. If you don't get enough sleep you might feel tired.

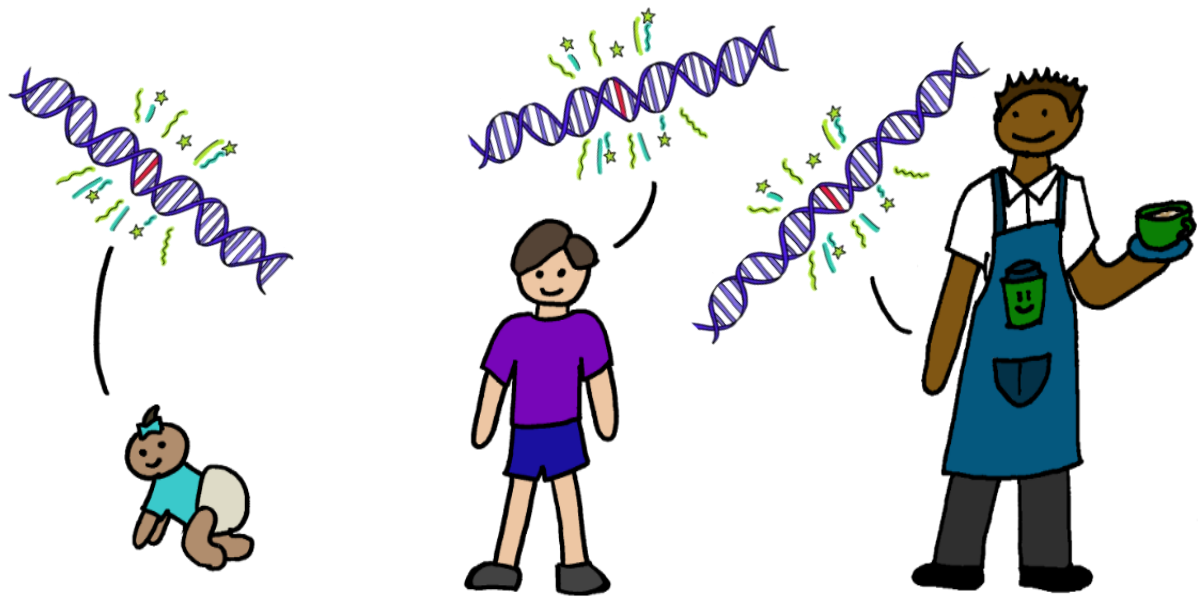


Everyone's DNA is different: some people have extra bits and some people have missing bits.

Inside **your DNA** there is an extra bit. A little piece of DNA has an extra copy so you have one more copy than most people. It is in the **9th** chapter of your 'instruction book': **chromosome 9**.

Your extra piece of DNA is called a **duplication**. Duplication means an extra copy.

You also have another copy of **chromosome 9** that has not been changed.



There are lots of other children who have the extra bit of **chromosome 9** like you. They live all over the world.

Just like people without this chromosome change, you are all different from each other.

Some people with the extra bit of DNA find some things harder to do than people without it, but this is different for each person.



Some children with this extra piece of **chromosome 9** need more time to learn how to walk.

Some take a little longer to learn new things.

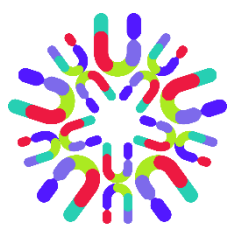
And some get a little upset when they have trouble learning new activities.

It is good to know about the change in your chromosome, because now if you find some things difficult to do, your family, friends, carers and teachers might be able to help you even more than before.



Remember that we are all different in different ways, and we all need help sometimes. It's good that you are exactly the way you are, because your family loves you very much just for being you.

Inform Network Support



unique

UNDERSTANDING GENES
& CHROMOSOMES

Rare Chromosome Disorder Support Group
The Stables, Station Road West, Oxted, Surrey, RH8 9EE, UK
Tel: +44(0)1883 723356
help@rarechromo.org | rarechromo.org

Join Unique for family links, information and support:

Become a member

Please help us to help you!

Unique is a charity without government funding, existing entirely on donations and grants. If you can, please make a donation:

Donate via our website

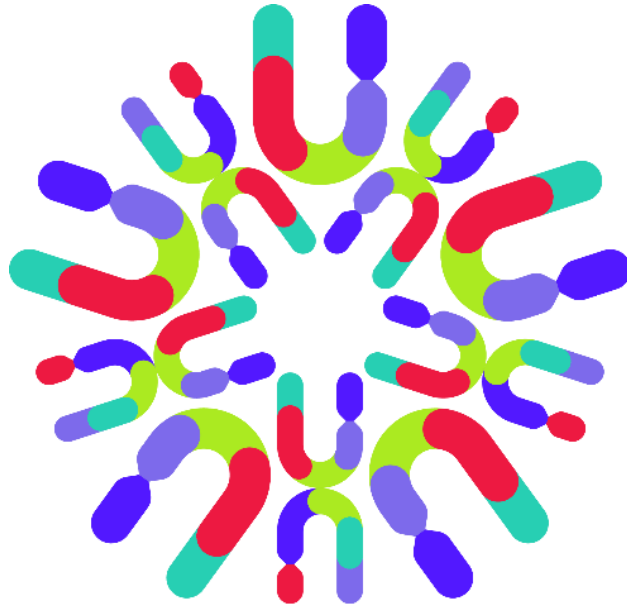
Families should consult a medically qualified clinician in all matters relating to genetic diagnosis, management and health.

This children's booklet was compiled by Unique and Aliya Karsan, McGill undergraduate student in Biochemistry and member of McGill Rare, based on an original work written by Dr. Seonaid Beaumont, Sheffield, UK which is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.

This guide as reviewed by McGill Rare.

2026 Version 1 (AP)





unique

UNDERSTANDING GENES
& CHROMOSOMES

rarechromo.org