

March 2022

DNA Hard Drives

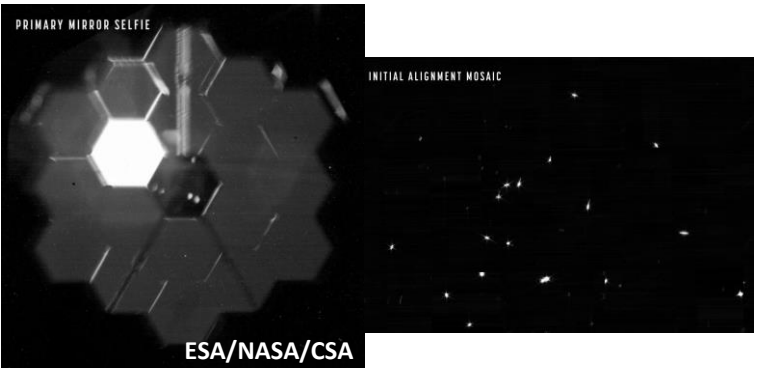
Storing data has become one of the biggest technological challenges we face. Globally humans generate a staggering 2.5 quintillion bytes (18 zeros) of data every day and this is expected to double every 2 years.

Storing this data in a manageable format where it can be easily accessed is becoming harder and so scientists have been exploring natures data storage system – DNA (Deoxy Ribonucleic Acid).

[What is DNA?](#) [DNA Data Storage](#) [High Density Data](#)



A single gram of DNA is capable of storing 215 million gigabytes of data. That means every movie every made could be stored in the size of a sugar cube and the worlds whole data output could be stored in a single room.



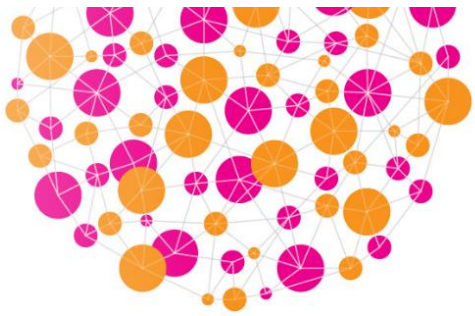
Webb Watch

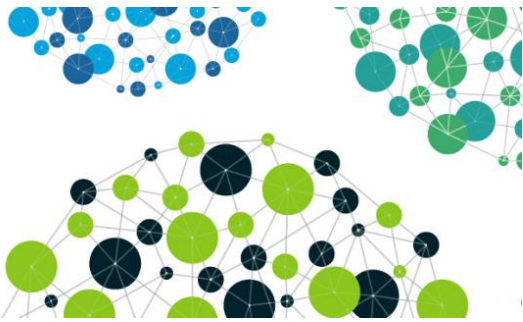
The JWST continues to undergo a series of test and mirror alignments while still cooling down to its operating temperature.

The first JWST images have been shared, including a 'selfie' and while they might not rival Hubble yet they are incredibly significant as they show that Webb is operational and capable of gathering light.

[Where is Webb](#) [First Images Explained](#) [What could Webb show us?](#)

11-20 March British Science Week 2022





British Science Week 2022 runs from the 11th to the 20th March and the theme this year is 'Growth'.

Children can explore the growth of different plants in different conditions and research the importance of plants on Planet Earth.

Investigate human, and animal growth and lifecycles and explore what happens as humans get older. Explore microbial growth and how bacteria and viruses grow exponentially.

You can also explore the growth of non-living things, mountains, islands and glaciers all grow in fascinating ways.

[BSW2022](#) [Activity Packs](#) [Teachers Pack](#)

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