

SCIENCE PROJECT • CLASS 6

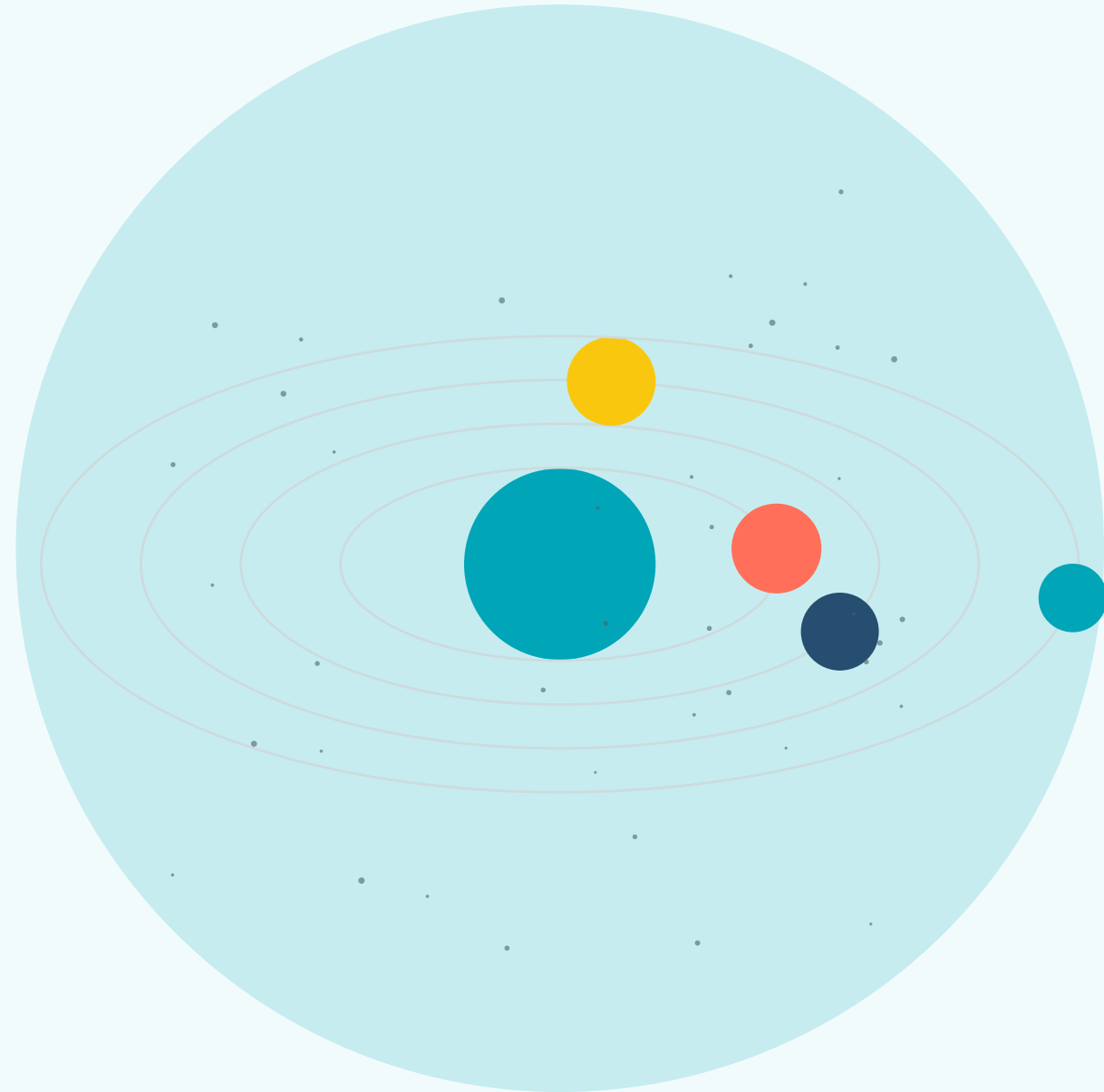
Our Wonderful Universe

Stars, galaxies and our place in space

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CLASS
6 – B

SCHOOL
Your School Name



02 | Agenda

01

Introduction

02

Facts

03

How it works

04

Activity

05

Conclusion

03 | What is the universe?

The universe is everything that exists – all of space, time, matter and energy.

It contains billions of galaxies, each with billions of stars. Our Sun is one star in the Milky Way galaxy.



Picture of the universe

01

FACTS

05 | Amazing facts

13.8 bn

years old (estimated)

100 bn+

galaxies

1

home planet – Earth

06 | What is out there



Stars

Giant balls of hot gas.



Galaxies

Huge groups of stars.



Nebulae

Clouds where stars are born.

02

HOW IT WORKS

08 | Life of a star

1 Nebula

Gas and dust gather

2 Star

Fusion begins

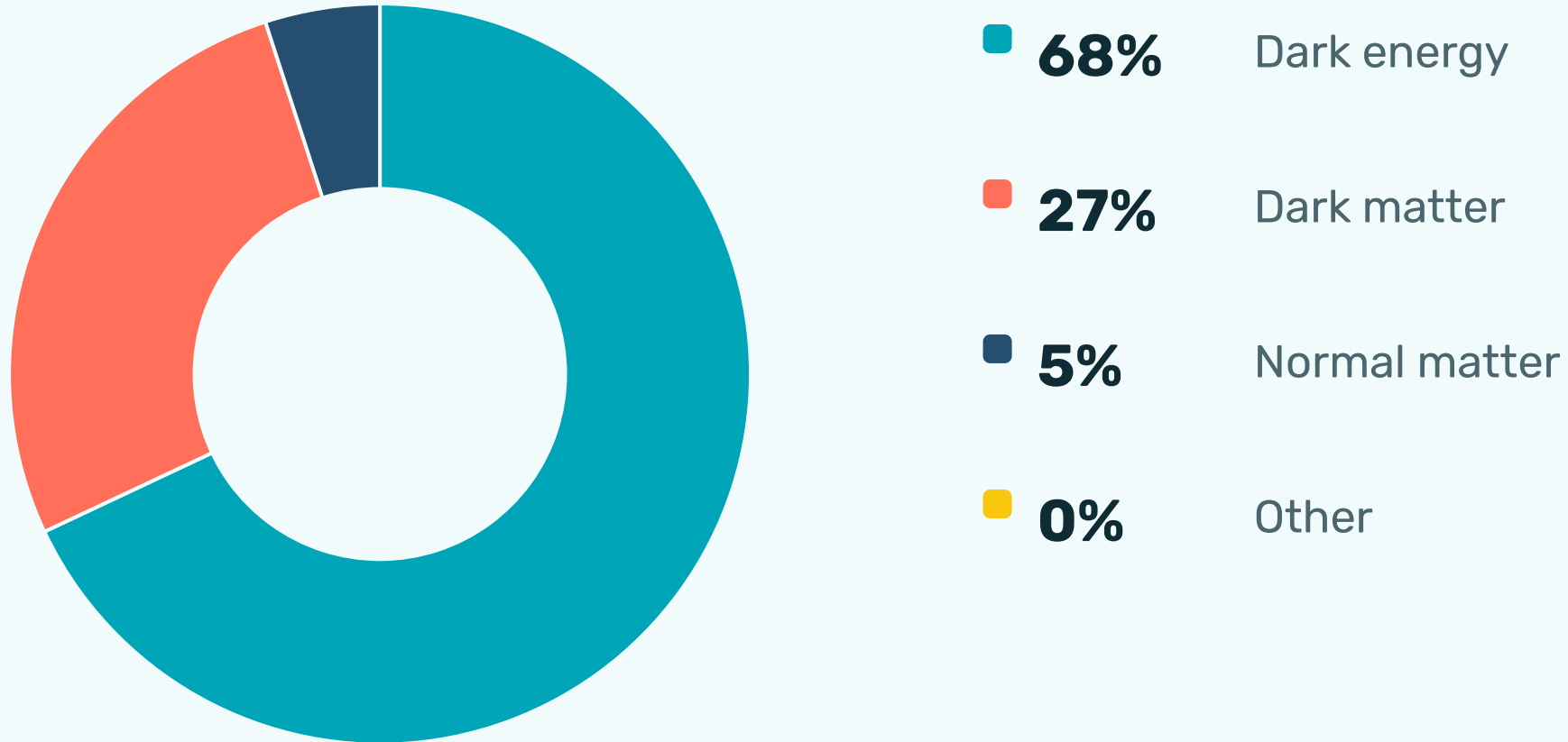
3 Red giant

Star swells

4 End

White dwarf or more

09 | What the universe is made of (approx.)



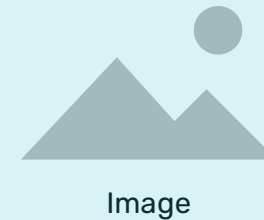
Sample data for illustration.

03

ACTIVITY

11 | Our activity

- Go outside on a clear night
- Find the Moon and a bright star
- Use a star-map app to name it
- Sketch what you saw



12 | Star vs planet

Star

- Makes its own light
- Very hot
- e.g. the Sun

vs

Planet

- Reflects light
- Orbits a star
- e.g. Earth

04

CONCLUSION

14 | What we can do



Stargaze

Find constellations.



Visit

A planetarium trip.



Read

Books on space.



Look up at the stars and not down at
your feet.

A FAMOUS PHYSICIST

Thank you!

Keep looking up!

Ananya Gupta • Class 6

