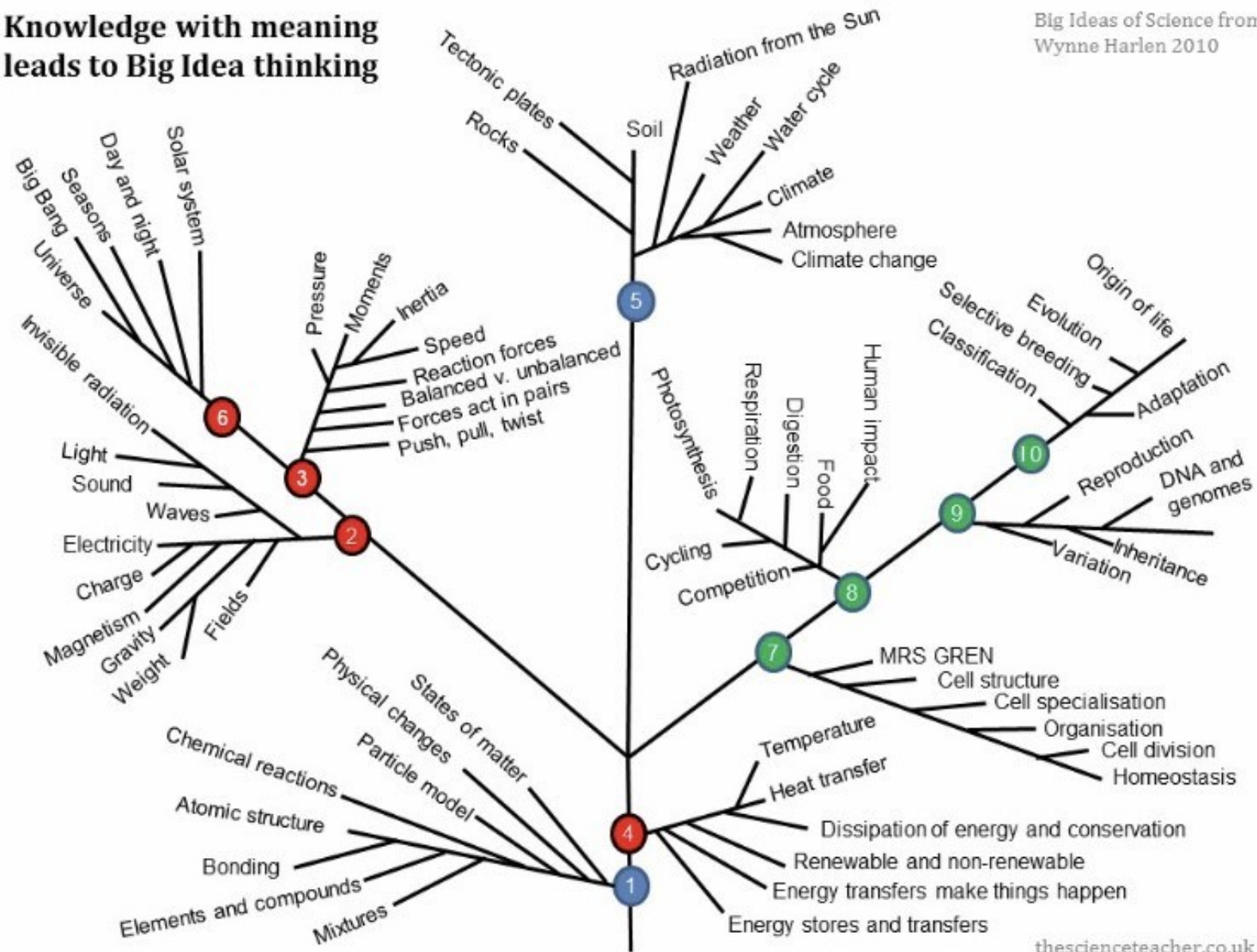




CURRICULUM OVERVIEW FOR SCIENCE

**Knowledge with meaning
leads to Big Idea thinking**

Big Ideas of Science from
Wynne Harlen 2010



thescienceteacher.co.uk



CURRICULUM OVERVIEW FOR SCIENCE

KS3

HALF TERM 1

HALF TERM 2

HALF TERM 3

HALF TERM 4

HALF TERM 5

HALF TERM 6

YEAR

7

Introduction to Science

Particle Model of Matter

1

Cells

7

Separating Mixtures

1

Energy

4

Organisation

7

Atoms

1

Forces

3.

Reproduction

9

The Periodic Table

1.

YEAR

8

Health and the Human Body

10

Chemical Reactions

1.

Space

6

Electricity

2

Magnetism

2

Acids and Alkali's

1

Earth and Atmosphere

5

Photosynthesis and Respiration

7

8.

YEAR

9

Inheritance and Evolution

9

The Reactivity Series

1

Ecosystems and Interdependence

7

8

Light

2

B1—Cell Biology

7

8

C1—Atomic Structure

1.

P3—Particle Model of Matter

3.

4



CURRICULUM OVERVIEW FOR SCIENCE

KS4

TERM 1

TERM 2

TERM 3

**YEAR
10**

Cell Biology Recap
Atomic Structure Recap
Particle Model Recap
B2 Organisation
P4 Atomic Structure
C2 Bonding, Structure and Properties

C3 Quantitative Chemistry
B3 Infection and Response
P2 Electricity
C4 Chemical Changes
C5 Energy Changes

B4 Bioenergetics
**MOCK EXAMINATIONS
REVISION AND ASSESSMENT**
C8 Chemical Analysis
B5 Homeostasis

**YEAR
11**

C8 Chemical Analysis
B5 Homeostasis
C6 Rate and Extent of a Chemical Reaction
C7 Organic Chemistry
P7 Magnetism

P5 Forces
B6 Inheritance and Evolution
C9 Chemistry of the Atmosphere
C10 Using Resources
P6 Waves
B7 Ecology

Revision
**END OF
EXAMINATION
PERIOD**

Additional information about exams **AQA Science Trilogy Course, leading to the award of two GCSE's.**

Biology Paper 1—70marks = 16.7% of the Grade: Cell Biology, Organisation, Infection and Response and Bioenergetics.

Chemistry Paper 1—70marks = 16.7 % of the Grade: Atomic structure and the periodic Table, Bonding, structure and properties of matter, Quantitative Chemistry and Chemical changes.

Physics Paper 1—70marks = 16.7 % of the Grade: Energy, Electricity, Particle Model of Matter and Atomic Structure.

Biology Paper 2—70marks = 16.7% of the Grade: Inheritance and variation, Homeostasis and Ecology

Chemistry Paper 2—70marks = 16.7 % of the Grade: Rate and Extent Chemical reaction, Organic Chemistry, Chemical Analysis, Chemistry of the Atmosphere and Using Resources.

Physics Paper 1—70marks = 16.6 % of the Grade: Forces, Waves and Magnetism.