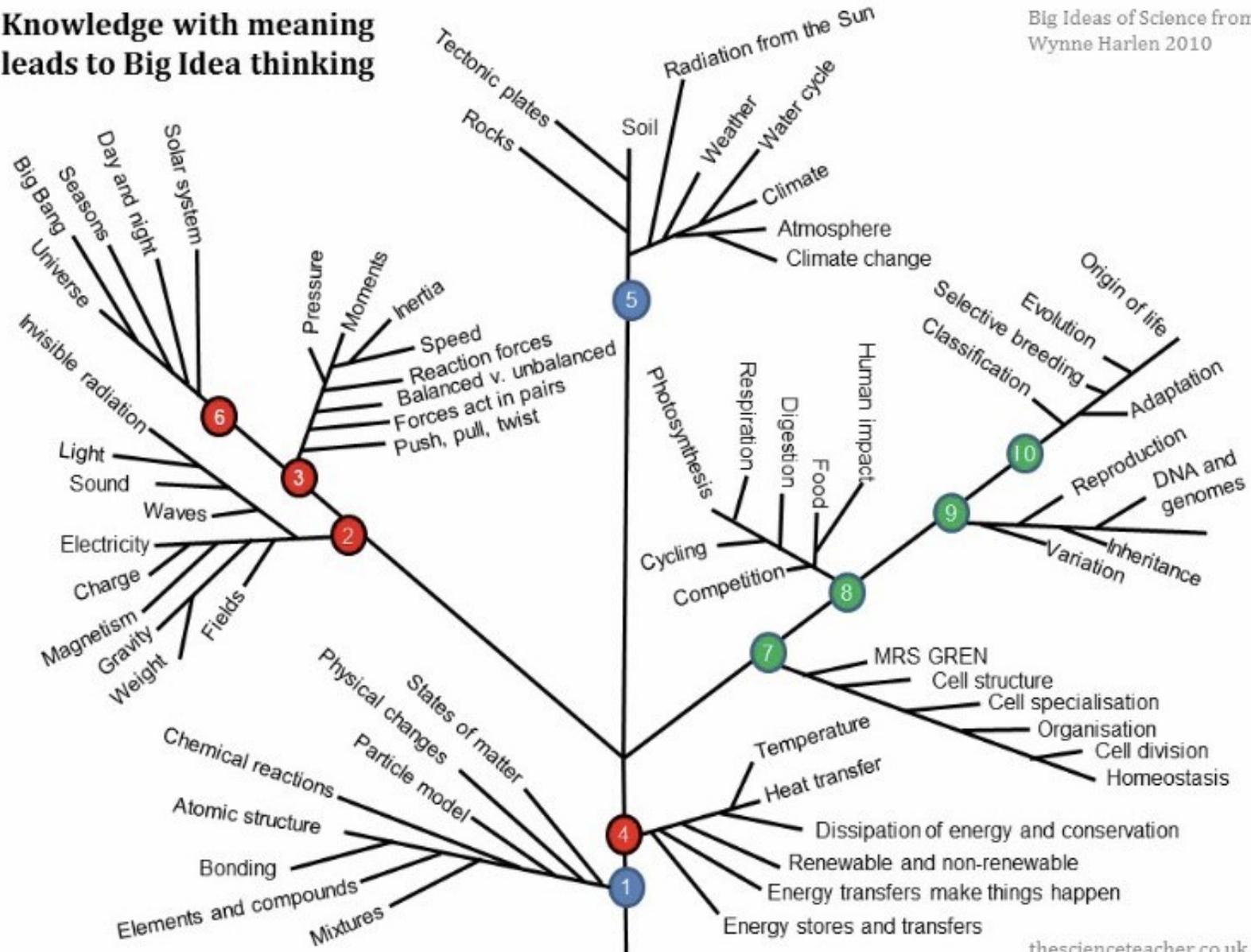




CURRICULUM OVERVIEW FOR SCIENCE

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 and Organisation

7

Separating Mixtures

1

Electricity

2

Magnetism

2

Chemical Reactions

1

Forces

3.

Reproduction

9

Acids and Alkalis

1.

Atoms and the Periodic Table

1.

YEAR

8

Living Together

10

Electricity

2

Fitness and Health

10

Space

6

Energy

4

Earth Chemistry

5

Fast and Furious

1.

Separating Techniques

1.

YEAR

9

Inheritance and Evolution

9

Light

2

Sound

2

Building Blocks Of Life 1

7

8

Physical Building Blocks 1

3.

4

Building Blocks of Matter 1

1.

Building Blocks of Life 2

7

8

Building Blocks of Matter 2

1.

Physical Building Blocks 2

3.

4



CURRICULUM OVERVIEW FOR SCIENCE

KS4

TERM 1

TERM 2

TERM 3

YEAR
10

Organisation

7

Infection and Response

7

Bioenergetics

8

Energy

4

Electricity

2

Atomic Structure

1

2

Bonding

1

Quantitative

1

Chemistry

Chemical Changes

1

Energy Changes

1

YEAR
11

Forces

2

Inheritance

9

Waves

2

3

Ecology

10

8

Magnetism

2

Homeostasis

7

Rate of Reaction

1

Organic Chemistry

1

Chemical Analysis

5

8

Using Resources

1

Chemistry of
Atmosphere

5

8

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.