

St Thomas More RC College Curriculum Topic Overview commencing September 2021

Subject: Science Year Group 7

Week	<b>Autumn</b>
1	Working in the lab
2	Working in the lab
3	Working in the lab
4	Working in the lab
5	Working in the lab
6	Working in the lab
7	Speed & Contact forces
8	Speed & Contact forces
9	Speed & Contact forces
10	Speed & Contact forces
11	Speed & Contact forces
12	Particle model & Metals and non-metals
13	Particle model & Metals and non-metals
14	Particle model & Metals and non-metals
15	Working in the lab

Week	<b>Spring</b>
16	Particle model & Metals and non-metals
17	Particle model & Metals and non-metals
18	Particle model & Metals and non-metals
19	Light, sound, wave properties and wave effects
20	Light, sound, wave properties and wave effects
21	Light, sound, wave properties and wave effects
22	Light, sound, wave properties and wave effects
23	Light, sound, wave properties and wave effects
24	Light, sound, wave properties and wave effects
25	Variation, human rep & plant rep
26	Variation, human rep & plant rep
27	Variation, human rep & plant rep

Week	<b>Summer</b>
28	Variation, human rep & plant rep
29	Variation, human rep & plant rep
30	Earth structure, universe & gravity
31	Earth structure, universe & gravity
32	Earth structure, universe & gravity
33	Earth structure, universe & gravity
34	Earth structure, universe & gravity
35	Earth structure, universe & gravity
36	Revision
37	Revision
38	Revision
39	Variation, human rep & plant rep

St Thomas More RC College Curriculum Topic Overview commencing September 2021

Subject: Science Year Group 8

Week	<b>Autumn</b>
1	Acids & Alkalis
2	Acids & Alkalis
3	Separating mixtures
4	Separating mixtures
5	The periodic table
6	The periodic table
7	Current
8	Current
9	Voltage
10	Voltage
11	Energy costs
12	Energy costs
13	Cells
14	Cells
15	Acids & Alkalis

Week	<b>Spring</b>
16	Movement
17	Movement
18	Breathing
19	Breathing
20	Elements
21	Elements
22	Chemical energy
23	Chemical energy
24	Types of reaction
25	Types of reaction
26	Pressure
27	Pressure

Week	<b>Summer</b>
28	Magnetism
29	Electromagnetism
30	Electromagnetism
31	Interdependence
32	Interdependence
33	Evolution
34	Evolution
35	Inheritance
36	Inheritance
37	Science skills
38	Science skills
39	Magnetism

St Thomas More RC College Curriculum Topic Overview commencing September 2021

Subject: Science Year Group 9

Week	<b>Autumn</b>
1	Climate and Earth's Resources
2	Climate and Earth's Resources
3	Climate and Earth's Resources
4	Climate and Earth's Resources
5	Energy transfer, work, heating and cooling
6	Energy transfer, work, heating and cooling
7	Energy transfer, work, heating and cooling
8	Energy transfer, work, heating and cooling
9	Energy transfer, work, heating and cooling
10	Digestion, respiration, photosynthesis
11	Digestion, respiration, photosynthesis
12	Digestion, respiration, photosynthesis
13	Digestion, respiration, photosynthesis
14	Digestion, respiration, photosynthesis
15	Climate and Earth's Resources

Week	<b>Spring</b>
16	Atomic Structure and Periodic Table
17	Atomic Structure and Periodic Table
18	Atomic Structure and Periodic Table
19	Atomic Structure and Periodic Table
20	Atomic Structure and Periodic Table
21	Atomic Structure and Periodic Table
22	Atomic Structure and Periodic Table
23	Atomic Structure and Periodic Table
24	Atomic Structure and Periodic Table
25	Ecology
26	Ecology
27	Ecology

Week	<b>Summer</b>
28	Ecology
29	Ecology
30	Ecology
31	Chemical Analysis
32	Chemical Analysis
33	Chemical Analysis
34	Chemical Analysis
35	Energy
36	Energy
37	Energy
38	Energy
39	Ecology

St Thomas More RC College Curriculum Topic Overview commencing September 2021

Subject: Science Year Group 10 Combined Science FT

Week	<b>Autumn</b>
1	Atomic Structure
2	Atomic Structure
3	Atomic Structure
4	Atomic Structure
5	Cell Biology
6	Cell Biology
7	Cell Biology
8	Bonding, structure and properties of matter
9	Bonding, structure and properties of matter
10	Bonding, structure and properties of matter
11	Bonding, structure and properties of matter
12	Energy
13	Energy
14	Energy
15	Atomic Structure

Week	<b>Spring</b>
16	Bioenergetics
17	Bioenergetics
18	Bioenergetics
19	Quantitative Chemistry
20	Quantitative Chemistry
21	Quantitative Chemistry
22	Electricity
23	Electricity
24	Electricity
25	Organisation
26	Organisation
27	Organisation

Week	<b>Summer</b>
28	Chemical Changes
29	Chemical Changes
30	Chemical Changes
31	Chemical Changes
32	Particle Model of Matter
33	Particle Model of Matter
34	Infection and Response
35	Infection and Response
36	Infection and Response
37	Energy Changes
38	Energy Changes
39	Chemical Changes

St Thomas More RC College Curriculum Topic Overview commencing September 2021

Subject: Science      Year Group 10 Combined Science Biology (HT)

Week	<b>Autumn</b>
1	Cells and Transport
2	Cells and Transport
3	Cells and Transport
4	Cells and Transport
5	Cells and Transport
6	Cells and Transport
7	Cells and Transport
8	Cells and Transport
9	Bioenergetics
10	Bioenergetics
11	Bioenergetics
12	Bioenergetics
13	Bioenergetics
14	Bioenergetics
15	Cells and Transport

Week	<b>Spring</b>
16	Bioenergetics
17	Bioenergetics
18	Organisation
19	Organisation
20	Organisation
21	Organisation
22	Organisation
23	Organisation
24	Organisation
25	Organisation
26	Organisation
27	Organisation

Week	<b>Summer</b>
28	Organisation
29	Infection and Response
30	Infection and Response
31	Infection and Response
32	Infection and Response
33	Infection and Response
34	Infection and Response
35	Infection and Response
36	Infection and Response
37	Homeostasis and Response
38	Homeostasis and Response
39	Organisation

St Thomas More RC College Curriculum Topic Overview commencing September 2021

Subject: Science      Year Group 10 Combined Science Chemistry (HT)

Week	<b>Autumn</b>
1	Structure and bonding
2	Structure and bonding
3	Structure and bonding
4	Structure and bonding
5	Structure and bonding
6	Structure and bonding
7	Structure and bonding
8	Structure and bonding
9	Structure and bonding
10	Structure and bonding
11	Structure and bonding
12	Quantitative Chemistry
13	Quantitative Chemistry
14	Quantitative Chemistry
15	Structure and bonding

Week	<b>Spring</b>
16	Quantitative Chemistry
17	Quantitative Chemistry
18	Quantitative Chemistry
19	Quantitative Chemistry
20	Quantitative Chemistry
21	Chemical changes
22	Chemical changes
23	Chemical changes
24	Chemical changes
25	Chemical changes
26	Chemical changes
27	Chemical changes

Week	<b>Summer</b>
28	Chemical changes
29	Chemical changes
30	Chemical changes
31	Chemical changes
32	Chemical changes
33	Chemical changes
34	Chemical changes
35	Chemical changes
36	Chemical changes
37	Chemical changes
38	Chemical changes
39	Chemical changes

St Thomas More RC College Curriculum Topic Overview commencing September 2021

Subject: Science      Year Group 10 Combined Science Physics (HT)

Week	<b>Autumn</b>
1	Atomic structure
2	Atomic structure
3	Atomic structure
4	Atomic structure
5	Atomic structure
6	Atomic structure
7	Energy
8	Energy
9	Energy
10	Energy
11	Energy
12	Energy
13	Electricity
14	Electricity
15	Atomic structure

Week	<b>Spring</b>
16	Electricity
17	Electricity
18	Electricity
19	Electricity
20	Electricity
21	Particles theory of matter
22	Particles theory of matter
23	Particles theory of matter
24	Particles theory of matter
25	Particles theory of matter
26	Particles theory of matter
27	Forces

Week	<b>Summer</b>
28	Forces
29	Forces
30	Forces
31	Forces
32	Paper 1 revision
33	Paper 1 revision
34	Paper 1 revision
35	Y10 exams week
36	Y10 exams week
37	Forces
38	Paper 1 exam review
39	Forces

St Thomas More RC College Curriculum Topic Overview commencing September 2021

Subject: Science      Year Group 11 Combined Science (11a4 Ms. Moore)

Week	<b>Autumn</b>
1	Physics: Atomic Model and Radiation
2	Physics: Atomic Model and Radiation
3	Physics: Atomic Model and Radiation
4	Chemistry: Energy Changes
5	Chemistry: Energy Changes
6	Chemistry: Rate and extent of chemical changes
7	Chemistry: Rate and extent of chemical changes
8	Chemistry: Rate and extent of chemical changes
9	Biology: Homeostasis and Response
10	Biology: Homeostasis and Response
11	Biology: Homeostasis and Response
12	Physics: Forces
13	Physics: Forces
14	Physics: Forces
15	Physics: Atomic Model and Radiation

Week	<b>Spring</b>
16	Physics: Forces
17	Physics: Magnets
18	Physics: Magnets
19	Biology: Inheritance, variation and evolution
20	Biology: Inheritance, variation and evolution
21	Biology: Inheritance, variation and evolution
22	Biology: Inheritance, variation and evolution
23	Chemistry: Organic chemistry
24	Chemistry: Organic chemistry
25	Chemistry: Organic chemistry
26	Physics: Waves
27	Physics: Waves

Week	<b>Summer</b>
28	Revision
29	Revision
30	Revision
31	Revision
32	Revision
33	Revision
34	
35	
36	
37	
38	
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St Thomas More RC College Curriculum Topic Overview commencing September 2021

Subject: Science Year Group 11 Combined Science FT

Week	<b>Autumn</b>
1	Forces
2	Forces
3	Forces
4	Forces
5	Forces
6	Waves
7	Waves
8	Waves
9	Magnetism and Electromagnetism
10	Magnetism and Electromagnetism
11	Homeostasis and Response
12	Homeostasis and Response
13	Homeostasis and Response
14	Inheritance Variation and Evolution
15	Forces

Week	<b>Spring</b>
16	Inheritance Variation and Evolution
17	Inheritance Variation and Evolution
18	Rate and Extent of Chemical Change
19	Rate and Extent of Chemical Change
20	Organic Chemistry
21	Organic Chemistry
22	Chemical Analysis
23	Chemical Analysis
24	Chemistry of the Atmosphere
25	Using Resources
26	Using Resources
27	Ecology

Week	<b>Summer</b>
28	Revision
29	Revision
30	Revision
31	Revision
32	Revision
33	Revision
34	Revision
35	
36	
37	
38	
39	

St Thomas More RC College Curriculum Topic Overview commencing September 2021

Subject: Science      Year Group 11 Combined Science Biology (HT)

Week	<b>Autumn</b>
1	Homeostasis and Response
2	Homeostasis and Response
3	Homeostasis and Response
4	Homeostasis and Response
5	Homeostasis and Response
6	Homeostasis and Response
7	Homeostasis and Response
8	Unit 6 – Inheritance, variation and evolution
9	Unit 6 – Inheritance, variation and evolution
10	Unit 6 – Inheritance, variation and evolution
11	Unit 6 – Inheritance, variation and evolution
12	Unit 6 – Inheritance, variation and evolution
13	Unit 6 – Inheritance, variation and evolution
14	Unit 6 – Inheritance, variation and evolution
15	Homeostasis and Response

Week	<b>Spring</b>
16	Unit 6 – Inheritance, variation and evolution
17	Unit 6 – Inheritance, variation and evolution
18	Unit 7 - Ecology
19	Unit 7 - Ecology
20	Unit 7 - Ecology
21	Unit 7 - Ecology
22	Unit 7 - Ecology
23	Unit 7 - Ecology
24	Unit 7 - Ecology
25	Revision
26	Revision
27	Revision

Week	<b>Summer</b>
28	Revision
29	Revision
30	Revision
31	Revision
32	Revision
33	
34	
35	
36	
37	
38	
39	

St Thomas More RC College Curriculum Topic Overview commencing September 2021

Subject: Chemistry Year Group 11 Combined Science HT

Week	<b>Autumn</b>
1	Electrolysis
2	Electrolysis
3	Electrolysis
4	Electrolysis
5	Rate and Extent of Chemical Change
6	Rate and Extent of Chemical Change
7	Rate and Extent of Chemical Change
8	Rate and Extent of Chemical Change
9	Rate and Extent of Chemical Change
10	Rate and Extent of Chemical Change
11	Rate and Extent of Chemical Change
12	Revision
13	Organic Chemistry
14	Organic Chemistry
15	Electrolysis

Week	<b>Spring</b>
16	Organic Chemistry
17	Chemical Analysis
18	Chemical Analysis
19	Chemical Analysis
20	Chemistry of the Atmosphere
21	Chemistry of the Atmosphere
22	Chemistry of the Atmosphere
23	Chemistry of the Atmosphere
24	Using Resources
25	Using Resources
26	Using Resources
27	Using Resources

Week	<b>Summer</b>
28	Revision
29	Revision
30	Revision
31	Revision
32	Revision
33	Revision
34	Revision
35	
36	
37	
38	
39	

St Thomas More RC College Curriculum Topic Overview commencing September 2021

Subject: Physics      Year Group 11 Combined Science HT

Week	<b>Autumn</b>
1	Forces
2	Forces
3	Forces
4	Forces
5	Forces
6	Forces
7	Forces
8	Forces
9	Forces
10	Forces
11	Forces
12	Mock
13	Waves
14	Waves
15	Waves

Week	<b>Spring</b>
16	Waves
17	Waves
18	Waves
19	Waves
20	Waves
21	Waves
22	Waves
23	Magnets and Electromagnetism
24	Magnets and Electromagnetism
25	Magnets and Electromagnetism
26	Magnets and Electromagnetism
27	Magnets and Electromagnetism

Week	<b>Summer</b>
28	Paper 1 revision
29	Paper 1 revision
30	Paper 2 revision
31	Paper 2 revision
32	GCSE Exams
33	GCSE Exams
34	GCSE Exams
35	
36	
37	
38	
39	