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Year 7 parent coffee morning

Welcome to the Science Department

At the All Saints Catholic College

Head of Science Miss Crosby contact details:

mcrosby@allsaintscatholiccollege.com

Second in science Mr Payne contact details:

cpayne@allsaintscatholiccollege.com

Mission statement

The science department will provide quality teaching and learning strategies to extend all pupils thus enabling them to achieve their true potential. These experiences will be of an increasing technological nature as the students move through the school.

The skills and academic achievements of the pupils will reflect a commitment to high standards both in the utilisation of resources and in the learning environment.

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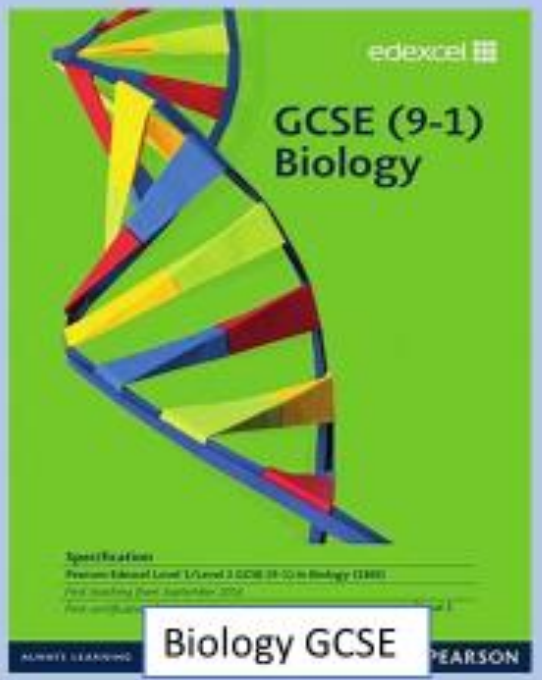
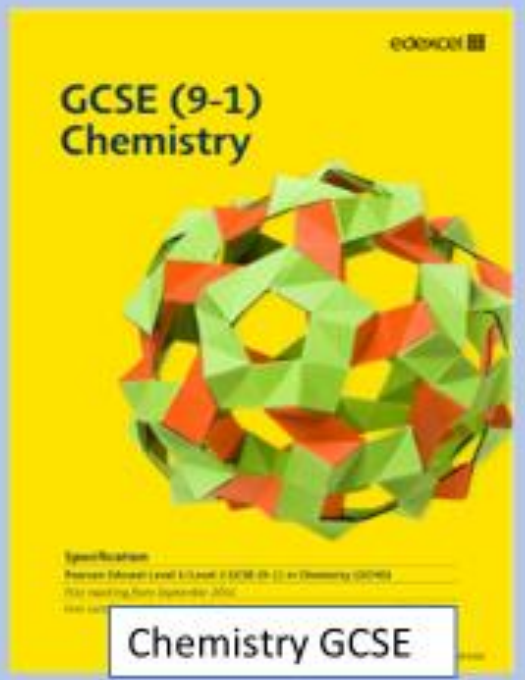
What are we working towards?

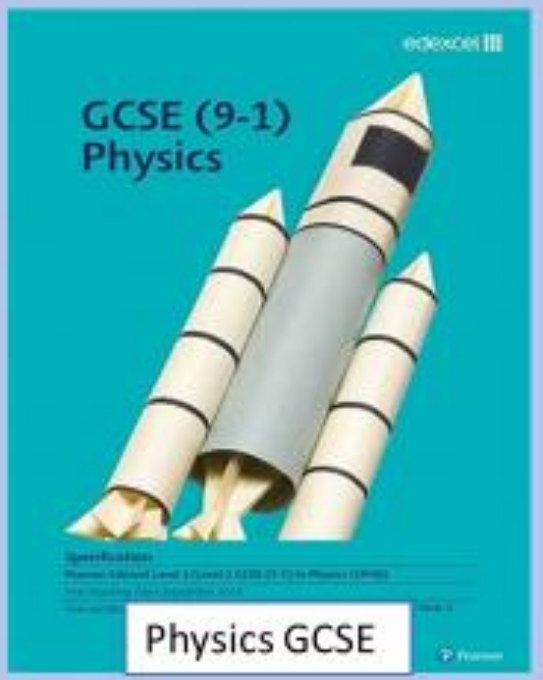
Combined science



Biology GCSE

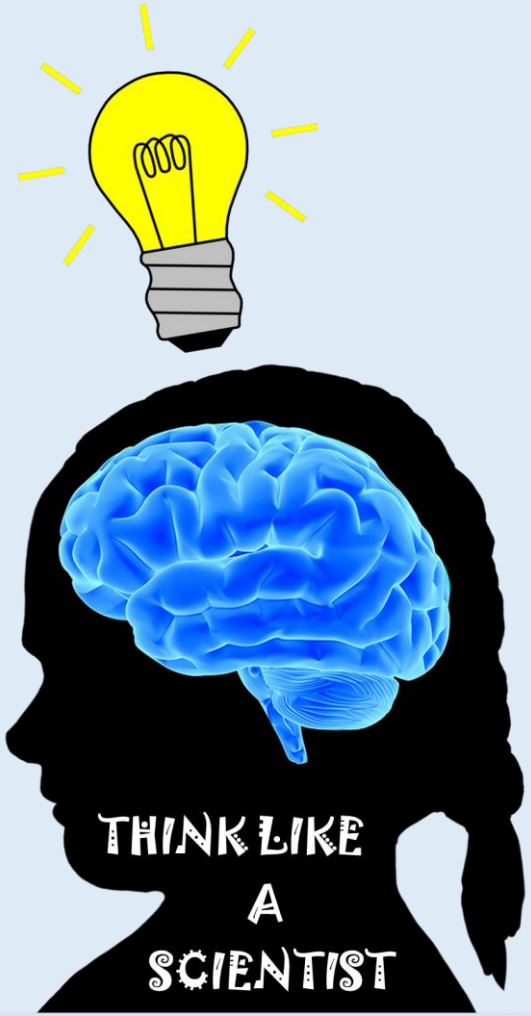


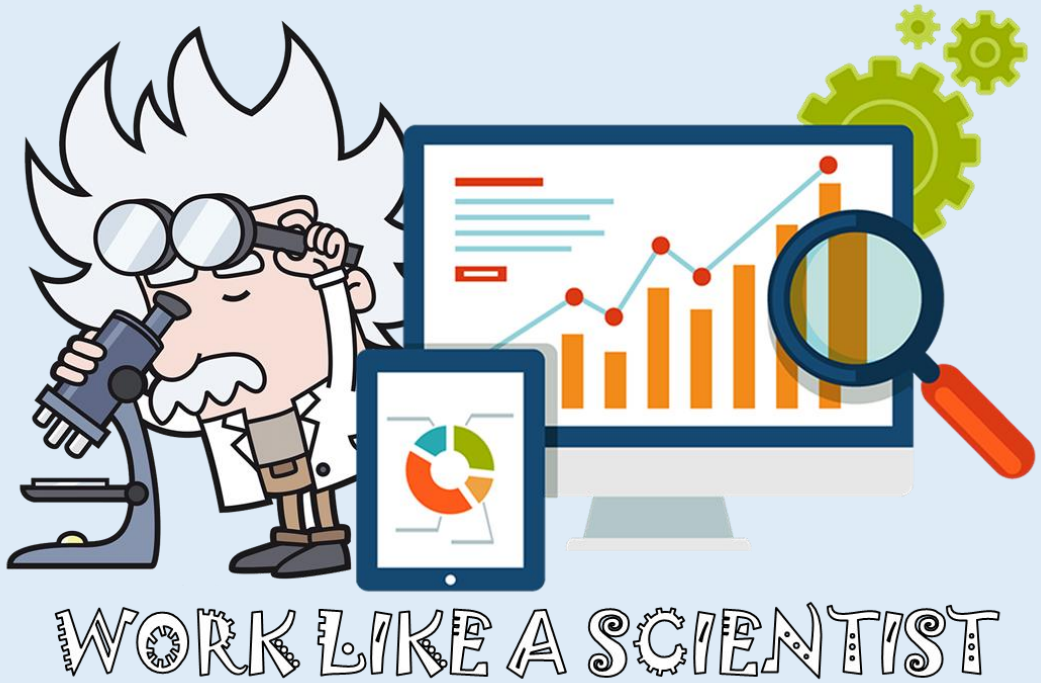
Chemistry GCSE



Physics GCSE

Specification: Edexcel


THINK LIKE
A
SCIENTIST


WORK LIKE A SCIENTIST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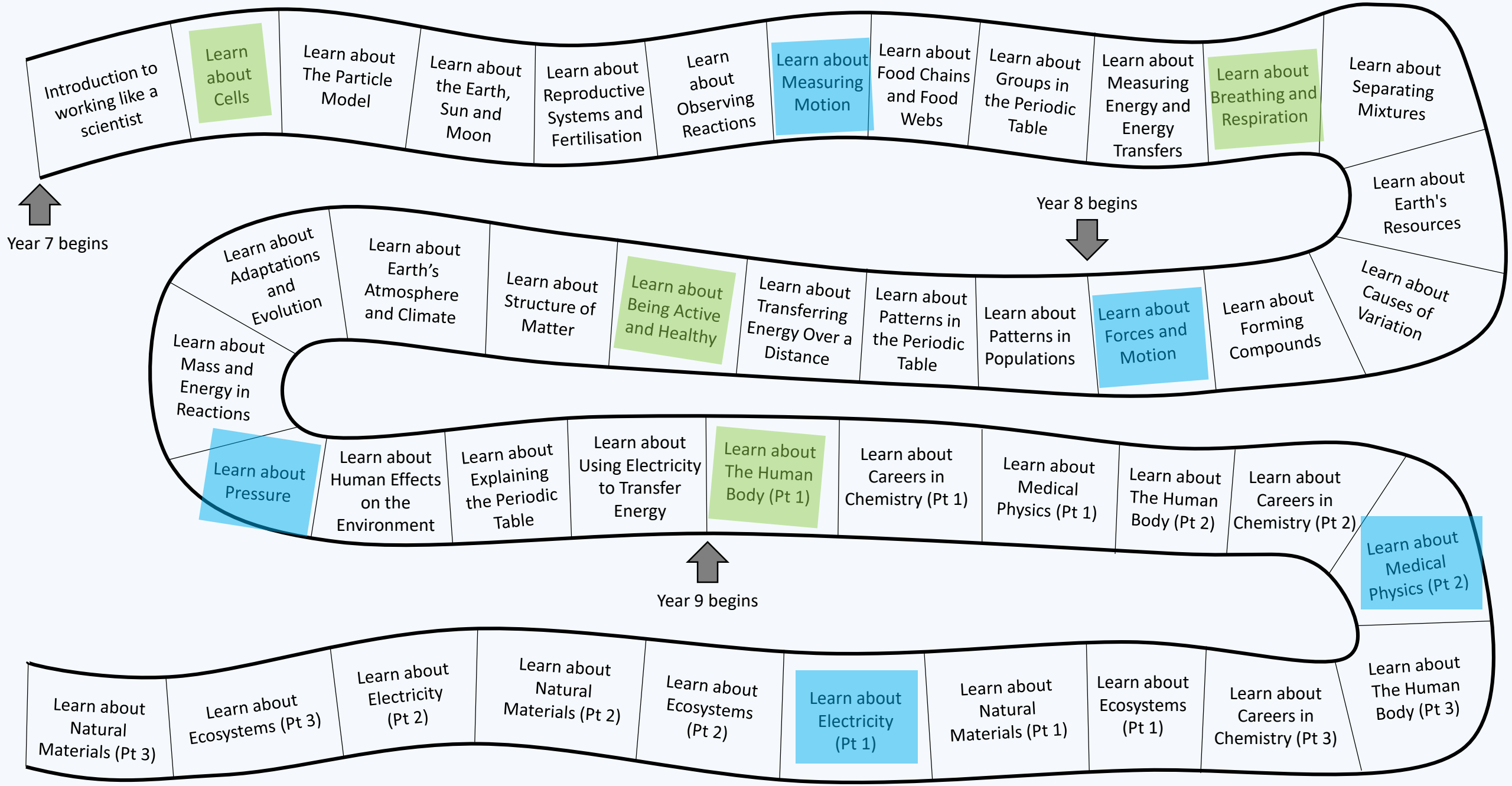
LIKE A S
CIENTIST


Introduction to working like a scientist
Learn about Cells
Learn about The Particle Model
Learn about the Earth, Sun and Moon
Learn about Reproductive Systems and Fertilisation
Learn about Observing Reactions
Learn about Measuring Motion
Learn about Food Chains and Food Webs
Learn about Groups in the Periodic Table
Learn about Measuring Energy and Energy Transfers
Learn about Breathing and Respiration
Learn about Separating Mixtures
Learn about Earth's Resources
Learn about Causes of Variation
Learn about Forming Compounds
Learn about Forces and Motion
Learn about Patterns in Populations
Learn about Patterns in the Periodic Table
Learn about Transferring Energy Over a Distance
Learn about Being Active and Healthy
Learn about Structure of Matter
Learn about Earth's Atmosphere and Climate
Learn about Adaptations and Evolution
Learn about Mass and Energy in Reactions
Learn about Pressure
Learn about Human Effects on the Environment
Learn about Explaining the Periodic Table
Learn about Using Electricity to Transfer Energy
Learn about The Human Body (Pt 1)
Learn about Careers in Chemistry (Pt 1)
Learn about Medical Physics (Pt 1)
Learn about The Human Body (Pt 2)
Learn about Careers in Chemistry (Pt 2)
Learn about Medical Physics (Pt 2)
Learn about The Human Body (Pt 3)
Learn about Careers in Chemistry (Pt 3)
Learn about Ecosystems (Pt 1)
Learn about Natural Materials (Pt 1)
Learn about Electricity (Pt 1)
Learn about Ecosystems (Pt 2)
Learn about Natural Materials (Pt 2)
Learn about Electricity (Pt 2)
Learn about Ecosystems (Pt 3)
Learn about Natural Materials (Pt 3)
Year 7 begins
Year 8 begins
Year 9 begins

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Plan for this year

Year Group:						
Subject	Autumn HT1	Autumn HT2	Spring HT1	Spring HT2	Summer HT1	Summer HT2
YEAR 7	• Working Like a Scientist • The particle model	• Cells • Earth, sun and moon	• Observing reactions • Reproductive system and fertilisation	• Measuring motion • Food chains and webs	• Groups in the periodic table	• Measuring Energy and Energy Transfers. • Science project

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Information on school website

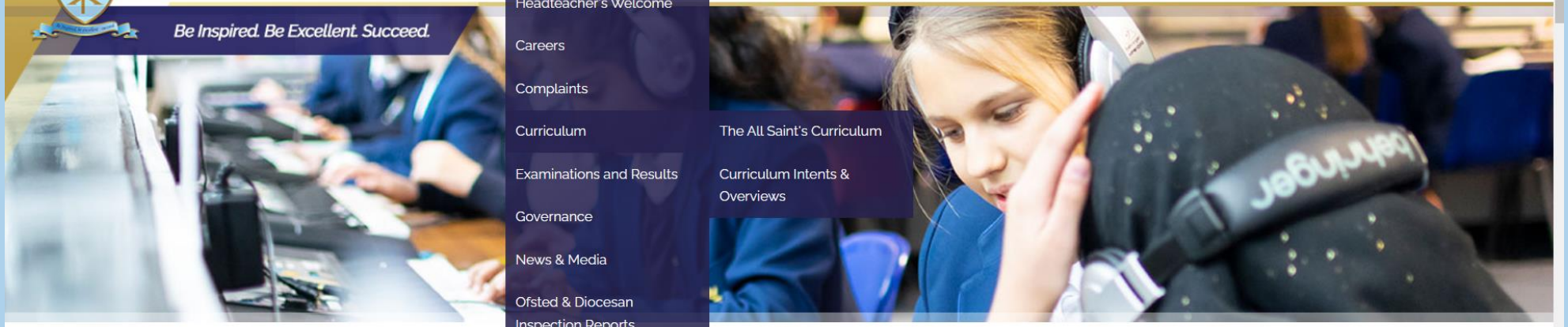
allsaintscatholiccollege.com/about-us/curriculum

Gmail | Email - CPayne - O... | ExamWizard | Clipart Library | Satchel One | Exampro | ActiveLearn | My Teach First | Carousel Learning

ALL SAINTS CATHOLIC COLLEGE

HOME | ABOUT US | PARENTS | PUPILS | TRANSITION | ADMISSIONS | IT SERVICES | SPIRITUAL LIFE | VACANCIES | CONTACT

Be Inspired. Be Excellent. Succeed.



- Headteacher's Welcome
- Careers
- Complaints
- Curriculum
  - The All Saint's Curriculum
  - Curriculum Intents & Overviews
- Examinations and Results
- Governance
- News & Media
- Ofsted & Diocesan Inspection Reports
- Policies and Procedures
- Pupil Premium & Recovery Premium
- Safeguarding
- School Self Review
- SEND
- SMSC/British Values

Curriculum

The All Saints Curriculum

Curriculum Intents & Overviews

https://allsaintscatholiccollege.com/about-us/curriculum

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Assessment

The data below shows how energy is stored by a wind-up toy before the key on its side is turned. The key is connected to a spring inside the toy. The spring stretches as the key is turned.

Energy store	Energy (J)
Kinetic	0 J
Gravitational potential	5 J
Chemical	20 J
Thermal	5 J
Elastic potential	2 J

01 Draw a graph to show the data above.

02 Describe how the energy stored by the toy will change as the key is turned.

.....

(2)

03 When the key is released. It rotates and the toy robot walks forwards. Suggest how the energy stores will change once the key is released.

.....

.....

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.....

.....

..... (4)

WWW:

Q1. You have drawn axes with correct scales.
Q1. You have labelled your axes correctly.
Q1. You have left a suitable gap between the bars.
Q1. You have drawn your bars to the correct heights.
Q2. You have identified that elastic potential energy will change.
Q2. You have stated that elastic potential energy will increase.
Q3. You have described how an energy store will change.
Q3. You have explained why it will change.
Q3. You have described how a second energy store will change.
Q3. You have explained why the second energy store will change.

EBI:

Q1. You need to draw axes with correct scales.
Q1. You need to label your axes correctly.
Q1. You need to leave a suitable gap between the bars.
Q1. You need to draw your bars to the correct heights.
Q2. You need to identify that elastic potential energy will change.
Q2. You need to state that elastic potential energy will increase.
Q3. You need to describe how an energy store will change.
Q3. You need to explain why it will change.
Q3. You need to describe how a second energy store will change.
Q3. You need to explain why the second energy store will change.

1. DIRT: Add what you have missed in red pen.
2. Define 6 key words from the last 3 lessons.

Checkpoint

Multiple Choice Question	
1)	
2)	✓
3)	

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Followers of Christ	Resilient Thinkers	Responsible Community	Respectful Individuals	Excellent Achievers	Family

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Homework on satchel

satchel:one

Search for students and classes

EN

Ms Crosby
Account settings

+ Create task

- Dashboard
- My classes
- Calendar
- Timetable
- Detentions
- My drive
- Community resources
- My resources
- Documents
- Reports

Dashboard

Dashboard

5 tasks due this week | 10 tasks set this week

Homework	Class	Due on
Biology work for this week	11A/Bi1	Mon 3rd Oct
learn the plant cell diagram	9A-1/Sc	Mon 3rd Oct
complete the nervous system questions	10-TS/Bi	Today
complete nervous system questions	11-2/Bi	Wed 5th Oct
complete exam questions	11A/Bi1	Wed 5th Oct

Satchel Pulse

Improve staff wellbeing and student mental health.
Learn more

0 Notices today — View Notice board

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Useful revision websites

- Senecalearning.com/en-GB/

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Useful revision websites

- BBC bitesize-

BITESIZE

Change language

Home | Learn | Support | Careers | My Bitesize | All Bitesize

GCSE Edexcel

Combined Science

Part of Combined Science

Sign in, save time

We'll remember what you've looked at so you can jump back in.

Sign in or Register to personalise your Bitesize now.

Topics

Biology (Combined Science) >

- Key concepts in biology
- Cells and control
- Genetics
- Natural selection and genetic modification

Biology (Combined Science) >

- Key concepts in biology
- Cells and control
- Genetics
- Natural selection and genetic modification
- Health, disease and the development of medicines
- Plant structures and their functions
- Animal coordination, control and homeostasis
- Exchange and transport in animals

GCSE Edexcel

Plant structures and their functions

Part of Combined Science

3 learner guides

Photosynthesis - Edexcel >

- Revise
- Video
- Test

Plant organisation - Edexcel >

- Revise
- Test

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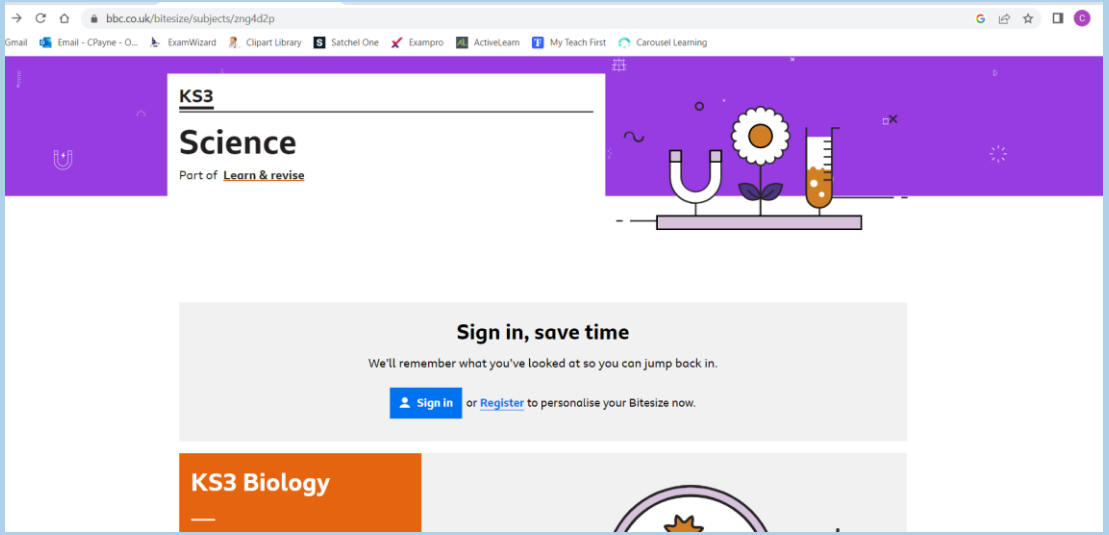
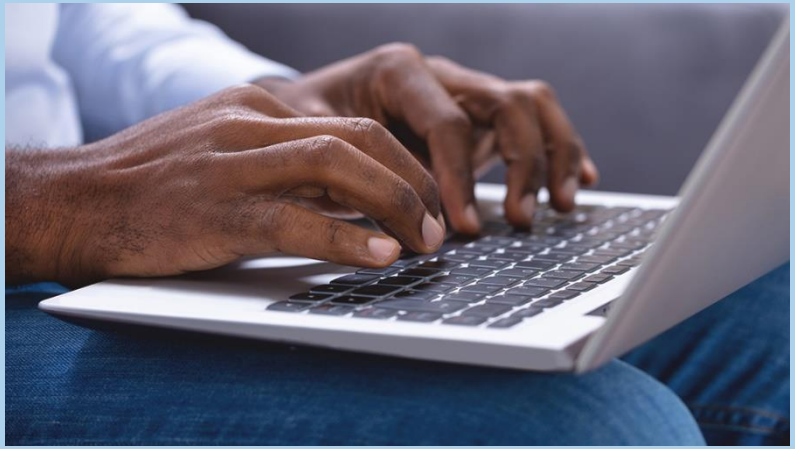
Supporting at Home





cpayne@allsaintscatholiccollege.com
mkitchinson@
edickman@
lolijnyk@
scassell@