



NEWSLETTER

Friday 17th May 2019

Headteacher Message

Dear Parent/Carer

The formal GCSE examination season is underway. LDA Year 11 pupils have sat exams in a number of subjects this week including Science, English Literature and French. Next week is equally as busy with exams in Mathematics, Science, English amongst others on the schedule. You can see the examination timetable for next week listed below and it is also available on the LDA website.

The Year 11 cohort are doing us proud in terms of their conduct and commitment to their GCSEs.

The invigilators have already commented on how respectful our pupils are. Staff are guiding the pupils at this key time and we appreciate the support pupils are getting at home as well. Saturday sessions are on every weekend and we really do encourage pupils to attend these as well as getting some rest and relaxation.

While the Year 11 pupils are undertaking their GCSEs, Years 7 – 10 are working hard in class and this will stand them in good stead for their own end of year assessments which will take place in a few weeks time. Director of Key Stage 3 (Mrs Ellis) and Director of Key Stage 4 (Miss Morrison) will send out further information on these assessments in due course.

I wish you a restful weekend.

Yours sincerely

V. Gowan V Gowan, Headteacher



Victoria Gowan
Headteacher

YEAR 11 STUDY SUPPORT – SATURDAY 18th MAY 2019 - English and Mathematics 9.30am – 12.00 noon

WINNERS 7th – 10th May 2019

Attendance – **Curie**, Behaviour – **Einstein**, House points – **Einstein**, Punctuality – **Einstein**,



NEW - HEALTHIER FOOD CHOICES AT LDA...

A HEALTHIER BREAKFAST

7.45 – 8.35 everyday in the canteen....

To eat

- Cereals – Cornflakes, Branflakes, Weetabix, Porridge with honey/raisins
- Toast – brown bread
- Fruit pots
- Low fat yoghurts
- Beans on toast
- Egg on toast
- Whole fruits – Apples, Oranges, Bananas, Kiwi Fruit

To drink

- Water/milk

A HEALTHIER BREAK TIME

Available everyday at break within all LDA food outlets....

To Eat

- Toast – brown bread
- Fruit pots
- Low fat yoghurts
- Egg on toast
- Whole fruits – Apples, Oranges, Bananas, Kiwifruit

To Drink

- Water/milk

GCSE Examinations - We will update you weekly with all of the forthcoming dates.

GOOD LUCK TO ALL YEAR 11!!

EXAMINATION TIMETABLE 2019

Date	Start	Length	Component Title
Mon 20 May	09:00	00:50	Judaism
Tue 21 May	09:00	01:30	Non Calculator [F]
Tue 21 May	09:00	01:30	Non Calculator [H]
Tue 21 May	13:30	01:30	Geography Paper 1
Wed 22 May	09:00	00:35	Spanish Listening Test Tier F
Wed 22 May	09:00	00:45	Spanish Reading Test Tier F
Wed 22 May	09:00	00:45	Spanish Listening Test Tier H
Wed 22 May	09:00	01:00	Spanish Reading Test Tier H
Wed 22 May	13:30	01:45	Physics Paper 1 Tier F
Wed 22 May	13:30	01:45	Physics Paper 1 Tier H
Wed 22 May	13:30	01:10	Paper Three: Physics [F]
Wed 22 May	13:30	01:10	Paper Three: Physics [H]
Thu 23 May	09:00	02:15	English Literature Paper 2
Thu 23 May	09:00	02:30	English Lit Component 2 Prose & Poetry
Thu 23 May	13:30	00:50	Catholic Christianity
Fri 24 May	09:00	01:30	Investigating Small Bus.
Fri 24 May	09:00	01:45	Paper One Psychology
Fri 24 May	13:30	02:00	Design and Technology Written Paper

EXAMS

REMANING YEAR 11 EXAMS:

Physics 1: 22nd May
 Biology 2: 2nd June
 Chemistry 2: 12th June
 Physics 2 : 14th June

YEAR 10 EXAMS

Year 10 will have three science examinations during the summer term. Pupils should be aware of the topics on each paper:

Biology: Cells, genetics, natural selection and evolution, health and disease.

Chemistry: Atoms and the Periodic table, bonding, states of matter, chemical changes and reactions, extracting metals and reactivity.

Physics: Motion and forces, waves, energy, the electromagnetic spectrum, radioactivity.

END OF YEAR EXAMS AT KS3...

In the early part of our final half term all Year 7 and 8 will be completing end of year exams. In order to prepare they should be looking back at the work they have completed in these key areas.

Particles
 Circuits
 Forces
 Ecosystems
 Light
 Investigation skills

Useful websites for revision:

<https://www.bbc.com/bitesize>
<https://www.educationquizzes.com/ks3/science/>
<http://www.planet-science.com>

BEING A TRAINEE SCIENCE TEACHER AT LDA

Since the February half term I have been doing my teacher training at LDA, an experience which has been better than I could have ever imagined. The support from the whole science team has been amazing, however the thing which I have enjoyed the most about my placement is the pupils. They have all been eager to learn and accepted me as one of their teachers. Watching the pupils learn by exploration, increasing their love for science, has been incredible to watch. I have loved seeing the pride the pupils have when they discover something new, whether it be Year 7 building circuits or the Year 9 extracting DNA from strawberries. I am very excited to start my new job in September, something which my time at LDA has prepared me for excellently, however I will miss LDA especially the pupils.

Ms Taylor

KEY STAGE 3

What have we been learning about in Science at KS3...

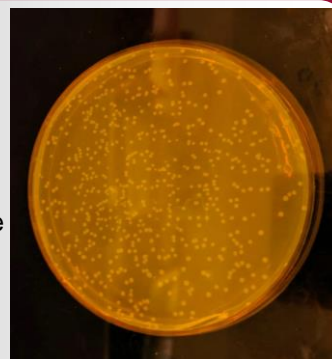
Year 7 have been developing their prior knowledge of food chains and exploring how this explains bioaccumulation. They have then linked this to their plastic project in STEM by explaining how this mirrors the current environmental issue in the news of the effects of plastics on marine life.

Year 8 have been investigating digestion and testing foods to see which nutrients they contain. They creatively wrote about the journey a cheese sandwich takes through our body to demonstrate their understanding.

Year 9 have been grappling with the challenging topic of genetic inheritance. They have explored how characteristics and disease are inherited and discovered the importance of the human genome project in disease diagnosis and treatment development.

SCIENCE IN THE NEWS

Linking the Year 9 work on Genetics is this interesting development. Scientists in Cambridge have managed to change the DNA in *E.coli*, replacing some of its DNA for a redesigned genetic code.



"It's pretty amazing" said Chin (Scientist). Such designer life forms could come in handy, Chin believes. Because their DNA is different, invading viruses will struggle to spread inside them, making them in effect virus resistant. That could bring benefits. E coli is already used by the biopharmaceutical industry to make insulin for diabetes and other medical compounds for cancer, multiple sclerosis, heart attacks and eye disease, but entire production runs can be spoiled when bacterial cultures are contaminated with viruses or other microbes. But that is not all: in future work, the freed up genetic code could be repurposed to make cells churn out designer enzymes, proteins and drugs.'

To read more go to
<https://www.theguardian.com/science/2019/may/15/cambridge-scientists-create-worlds-first-living-organism-with-fully-redesigned-dna>



Mr Hambleton
Head of Department



Ms Lancelott
Acting Deputy Head of Department



Mrs Fitzsimon
Classroom Teacher with Responsibility



Miss Smart
Classroom Teacher



Mr Kidd
Classroom Teacher



Mr Chapman
Classroom Teacher



Mrs Meldrum
Classroom Teacher



Mrs Pugh
Classroom Teacher



Mrs Hughes
Transition Tutor