



Inspiring Optimistic Learners



Home



Student



School

Working together for success



TORPOINT
COMMUNITY
COLLEGE

Inspiring Optimistic Learners



What's already going on?

What the school is already doing

Intervention sessions

Talk to your child about the sessions on offer at TCC and encourage them to attend

| | Tutor time | Lunch Time | After College |
|-----------|--|--|---|
| Monday | | Textiles Science Triple Science Art/PD Drama (11c) English- Literature support | Room 36 Room 43 Room 21 Room 30 Room 27 Room 10 Monday night Netball Art/PD History English- Language Analysis HMI ETH CLA CLO Room 30 Room 56 Room 10 |
| Tuesday | Independent Study Maths History | Room 17 Room 01 Room 52 TUCBR TKSDO SDO JGO | Room 36 Room 42 Room 21 Room 56 Room 55 Room 30 Room 07 Triple Science LOD Room 21 |
| Wednesday | Independent Study Independent Study Independent Study Independent Study History Geography | Room 02 Room 01 Room 11 Room 17 Room 30 Room 14 Room 54 Room 52 FYCLO FYVNE TKSDO TKSLO TUCBR TGETH KNE RBE JGO | Catering Textiles Core Science French Triple Science Computing Triple Science Room 31 Room 36 Room 43 Room 13 Room 21 Room 17 Room 42 Catering Art EBA DJO Room 31 Room 40 |
| Thursday | Independent Study Independent Study Independent Study Independent Study Catering | Room 02 Room 01 Room 01 Room 17 Room 16 Room 16 Room 43 Room 21 Room 06 Room 55 Room 42 Room 30 Room 40 Room 07 Room 56 Room 24 EBA FDO NCA LOD LME HMI DBR ETH DJO ADO CLA JSE | Textiles Core Science Catering History Art Computing History Maths- higher Maths- foundation English—A Christmas Carol EBA NCA FDO JGO DJO JHO/PBL JGO SDO GLA DRE Room 36 Room 43 Room 16 Room 62 Room 46 Room 68 Room 62 Room 53 Room 34 Room 08 |
| Friday | Independent Study Independent Study Independent Study History | Room 01 Room 17 Room 30 Room 52 Room 62 PHVRB TKSLO PNQWV TGETH JGO | Textiles Science Art Drama (11a) English- Macbeth Triple Science Room 36 Room 43 Room 27 Room 68 Room 08 Room 42 EBA NCA MHO PBL RBE DBR Room 36 Room 43 Room 27 Room 68 Room 08 Room 42 |

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What the school is already doing



Remind
them
about
study cafe

STUDY CAFE

YEAR 10 & 11

SIXTH FORM COMMON ROOM

EVERY WEDNESDAY

3.30PM—5.30PM

- Free Tea and Coffee
- Computer Access
- Quiet Place to Work
- Space for Group Work
- Stamp for Your Intervention Passport.



What the school is already doing

Revision Organisers

Ask your child to show you their subject specific revision tasks and have a look at the work they are doing



GCSE Geography KS4 Tutor Time Revision Tasks

Date: September- October

Task 1-2
Year 10 & 11

- Produce a glossary of key terms for the Living World unit
- The key terms your need to write a definition for can be found below-

| | | |
|-------------------|------------------|------------------|
| - Ecosystem | - Producer | - Food web |
| - Biotic | - Consumer | - Nutrient cycle |
| - Abiotic | - Decomposer | |
| - Biome | - Food chain | |
| - Desert | - Permafrost | |
| - Rainforest | - Extraction | |
| - Savannah | - Accessibility | |
| - Tundra | - Fragile | |
| - Taiga/boreal | - Infrastructure | |
| - Interdependence | - Conservation | |
| - Adaptation | - Ecotourism | |
| - Endemism | | |
| - Biodiversity | | |
| - Sustainable | | |
| - Deforestation | | |
| - Afforestation | | |

Task 3-6
Year 10

- Create revision cards/posters/spider diagrams for the Living World completed so far
- You can do this on card, plain paper, coloured paper or in a notebook
- You should also add diagrams where necessary and colour

Year 11

- Create revision cards/posters/spider diagrams for the Hazards lessons completed so far
- You can do this on card, plain paper, coloured paper or in a notebook
- You should also add diagrams where necessary and colour

ICT

Revision Organiser

ENGLISH

What the school is already doing

Online Resources

Remind your child about all the different resources the college provides



What the school is already doing

Revision Support sessions

Ask them to tell you about the different types of revision they have tried, encourage them to find out what works best

What the school is already doing

Rewards and recognition

Remind them to collect the intervention stamps to win driving lessons!



| | | | | |
|-----------------|-----------------|-----------------|-----------------|-----------------|
| Subject: | Subject: | Subject: | Subject: | Subject: |
| Teacher Signed: |
| Subject: | Subject: | Subject: | Subject: | Subject: |
| Teacher Signed: |
| Subject: | Subject: | Subject: | Subject: | Subject: |
| Teacher Signed: |



Free Raffle ticket for every 5 sessions attended – monthly prize draw



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What can you do to help?

Develop a clear revision timetable

Work with your child to develop a realistic and achievable timetable

| Week Days | 7-8 | 8-9 | School | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 |
|-----------|-----|-----|--------|-----|-----|-----|-----|-----|------|-------|
| M | | | | | | | | | | |
| T | | | | | | | | | | |
| W | | | | | | | | | | |
| T | | | | | | | | | | |
| F | | | | | | | | | | |

- Be realistic
- Factor in breaks/ commitments
- Don't let them tackle too much
- Plan small manageable chunks
- Encourage them to stick to the plan

How you can help.....

Help get them organised

Space

Make sure they have a space to work in



Distractions



Remove all possible distractions

Equipment

Make sure they have the equipment they will need



Rewards

Recognise what they are doing



How you can help.....

Keep them healthy...



Ensure they get a good nights sleep

Ensure they have a healthy balanced diet



Encourage exercise and relaxation time



How you can help.....

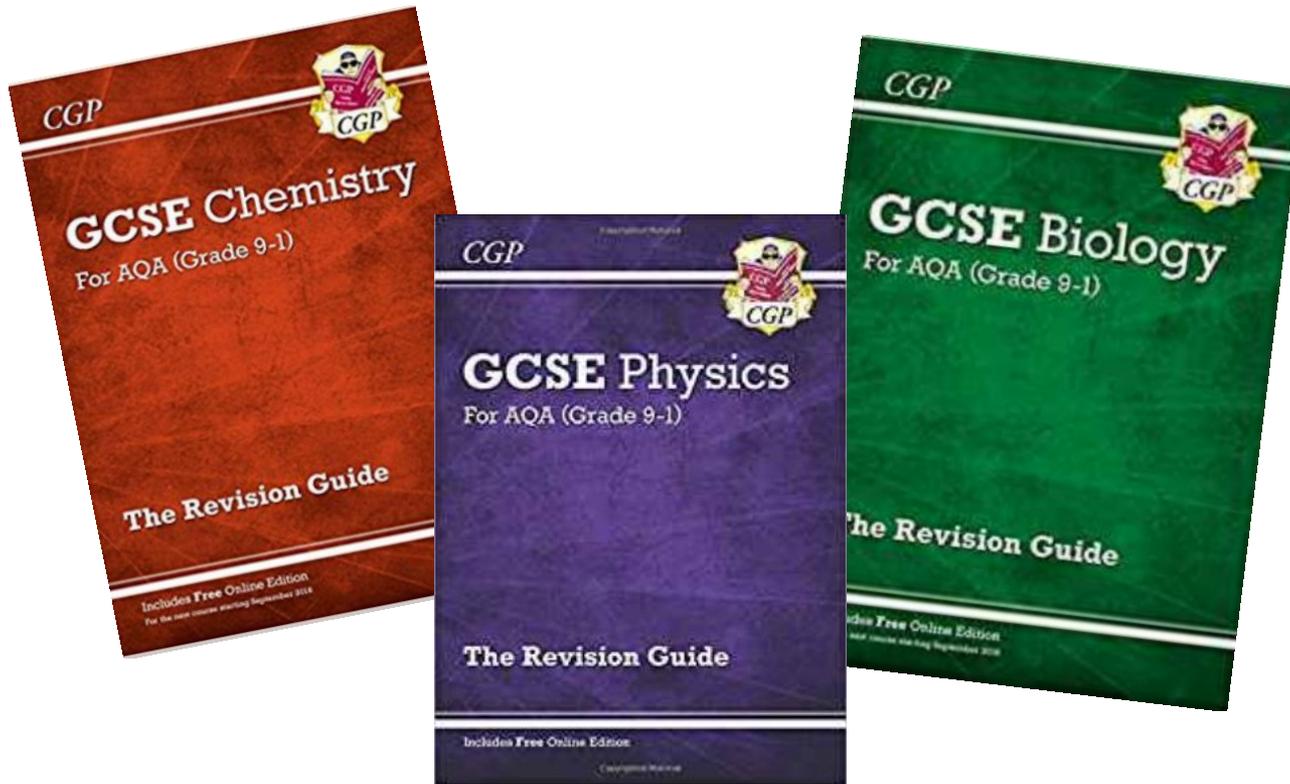
Take an interest

**WHAT
ARE YOU
DOING?**

- Ask questions about when the exams are, how many there are, what topics they are studying, what they are finding difficult.
- Be prepared to listen about the topics they are learning and offer to test them- read questions from a book, listen to a podcast with them, look at a dump test
- Ask to see what they are doing regularly
- Praise them

How can you help?

Purchase some resources



Ask staff for recommendations



What is revision?

"The best way to feel truly confident and help beat that stomach churning exam angst is to prepare for each exam in advance"

Revision should be about making sure you know what you need to for the exam. To start with be clear about the topics covered in each subject. Then in 20minutes bursts carry out activities which test and improve your knowledge!



20 minute bursts

Revision should be a maximum of 20 minutes only.

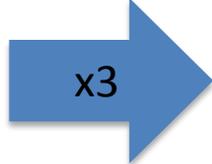
Your concentration span is your age in minutes plus 2 minutes

16 year olds concentrate for 18 minutes – FACT!

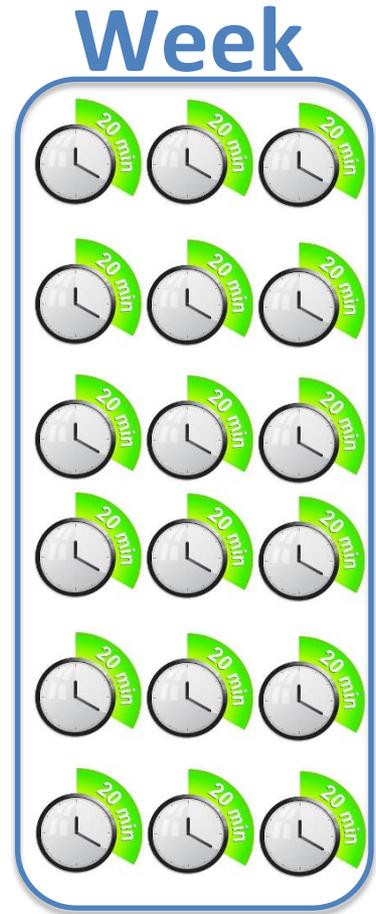
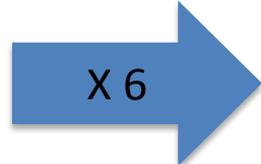
What is revision?



20 minutes
per burst



3 bursts
Per day



6 days
a week

What is revision?

Transform it

- 'just reading through my notes isn't actually revising!
- You need to **manipulate** your notes from lessons into a different, learnable form. Diagrams, use of symbols, mind-maps, bullet point lists, post-its, flash cards, audio recordings....
- There are various options to turn what has to be learnt, into a format in which it can be memorised.

What is revision?

Transform it



Flash Cards

What is revision?

Transform it



Mind Maps

What is revision?

Transform it

Look, Cover, Write



Memorise: Study a section of notes and memorise the key points

Write: Put your notes out of sight and write down from memory the essential things you have learnt

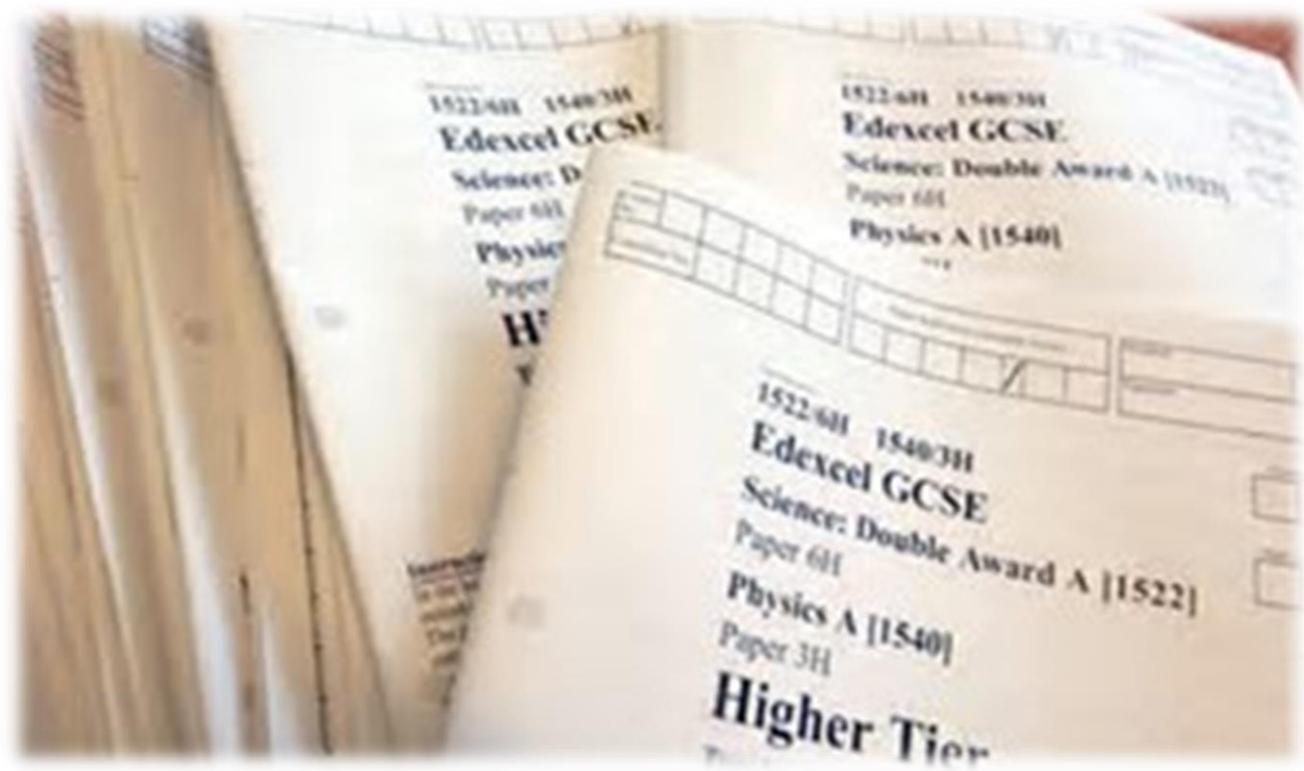
Check: Check with your notes

Learn: Note any points you omitted or got wrong and learn them

Look, cover, write

What is revision?

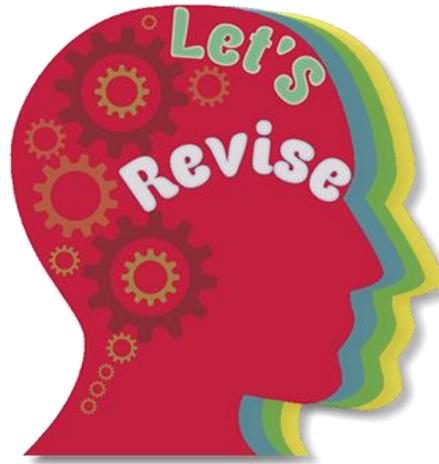
Transform it



Past Paper Questions

What is revision?

60 seconds dumping everything you know about the topic onto the paper.....



Spend 15-16 minutes revising the topic in any way you want.

Transform it

Repeat the dump!

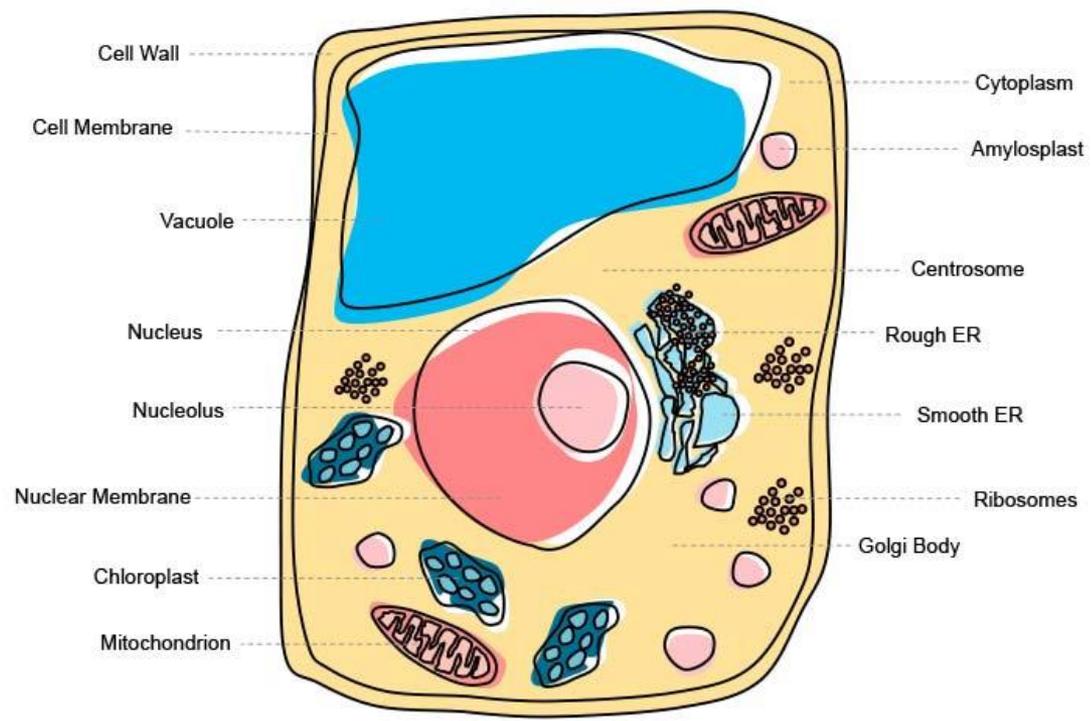


Dump Test

What is revision?

Transform it

Hand-drawn Science Diagrams *Plant Cell*



Draw What you know

What is revision?

Transform it



Podcast

Pod casts

What is revision?

Transform it

Table of elements

GRAPHITE delocalised electrons between layers - held by weak bonds

USES
Electrolysis - electrodes
- conduct electricity and high melting point
Pencil leads - soft layers not strongly held together
Lubricator - additive to oil and greases

Properties
- conducts electricity
- High melting point
- soft and slippery
- black and opaque

DIAMOND - strong bonds - hard to break up - naturally stronger

USES
Jewellery - carat weight
- packed with the reflection of light
Cutting edges - hardest natural substance cuts through most every thing

Properties
- Carbon atoms joined to 4 others in a strong tetrahedral lattice
- Very high melting point
- No conduction of electricity
- doesn't conduct electricity
- Ca lubricant
- hardest natural substance
- resistance to wear

FULLERENES

Buckminster Fullerene
'Bucky Balls'
60 carbon atoms
 C_{60}

Nano tubes
- Properties - semiconductors
- Small
- large surface area
- very strong
- Nanotubes are fullerenes joined together
- reinforcing graphite
- nanoscale materials
- industrial catalysts

Legend:
■ Other metals
■ Other non-metals
■ Halogens
■ Inert gases
■ Lanthanides
■ Actinides
■ Trans-actinides
Manmade atoms that exist for less than a second
▲ Radioactive element
■ Gas element
● Liquid element

Nanochemistry
- working on a nano-scale
- very small
- ATOMS

| | | | | | | | | | |
|---------|--------|-------|-----------|---------|------------|---------|----------|-------|---------|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| Li | Cu | Zn | Al | Si | P | S | Cl | Ar | Kr |
| Lithium | Copper | Zinc | Aluminium | Silicon | Phosphorus | Sulphur | Chlorine | Argon | Krypton |
| 7 | 29 | 30 | 13 | 14 | 15 | 16 | 17 | 18 | 36 |
| 3 | 63.55 | 65.39 | 27.00 | 28.09 | 31.00 | 32.07 | 35.45 | 39.95 | 83.80 |
| Li | Cu | Zn | Al | Si | P | S | Cl | Ar | Kr |
| Lithium | Copper | Zinc | Aluminium | Silicon | Phosphorus | Sulphur | Chlorine | Argon | Krypton |
| 7 | 29 | 30 | 13 | 14 | 15 | 16 | 17 | 18 | 36 |
| 3 | 63.55 | 65.39 | 27.00 | 28.09 | 31.00 | 32.07 | 35.45 | 39.95 | 83.80 |

Post it notes

What is revision?

Transform it

Biology Unit 3

Transport in Plants
 The xylem transports water and minerals up the plant from roots to leaves.
 The phloem transports (sugar) to the rest of the plant from the leaves.
 Waxy cuticle - water and gas proof. Stops too much water loss.
 Water is lost more quickly when it's windy, its dry, its hot.
 Water loss from the leaves is called **TRANSPIRATION**.
 Leaves are thin and flat giving them a large surface area for diffusion of gases (CO₂ in and oxygen out). Guard cells around stomata can open and close to let CO₂ in but stop too much water being lost!

Sustainable Food
 "producing food in a way that can continue for many years"
 Using a fermenter
 Acrobic respiration
 Energy lost as movement
 Energy lost as heat

Efficient Food
 "producing food in a way that stops energy loss and conserves biomass"
 Short food chains are better than long ones! Energy and biomass is lost at every stage.
 Less fuel used and less pollution

Adaptations for exchange in the intestines (absorbing your food)
 Villi/Villus
 Created up surface of intestine for really large surface area.
 Intensive Farming: Stop energy loss by limiting movement (keep in small enclosed space) and keeping animals warm (heating them inside). Is this ethically OK?

Energy Drinks - For when your **DEHYDRATED**. Contains Water, sugar and mineral ions. Water - to rehydrate. Sugar - for energy. Minerals - to replace those lost during sweating.
 Evidence: With normal levels of exercise, sweaters just as good.

Lungs
 Trachea (windpipe)
 Ribs (protect your lungs)
 Diaphragm
 Alveoli - Air sacs in the Lungs! You have loads of these wrapped in capillaries.
 Adaptations for gaseous exchange (in your lungs):
 - Large surface area
 - Short diffusion pathway (only one cell between blood and air in lungs)
 - Steep concentration gradient. (Remember, a substance will move from where there's a lot to where there's a little. This is helped with good blood supply and breathing for take absorbed oxygen away from O₂ in lungs / to replace the oxygen as it's absorbed and remove CO₂.)

Artificial breathing
 Positive pressure - pushing the air in.
 Benefits: Not invasive (just a mask), can aid the paralysed for years and can be used during surgery. Can be used at home!
 Negative pressure - a vacuum is created outside the body moving the chest up and causing air to be drawn in.
 Benefits: Will keep you alive. Drawbacks: Very restricting and out dated. Must stay in hospital.

Active Transport
 This is when something moves against the concentration gradient.
 Low to High!
 It needs energy to happen! But means ions can be absorbed from soil and sugars from cells (not muscle cells).

Osmosis
 WATER diffusing from where it is a lot of it to where there is less of it.
 Water moves up a plant stem from cell to cell by osmosis. Lots of water keeps the cell rigid.
 Water moves in and out of cell depending on the concentration of the solute.
 high water concentration
 low water concentration
 Through a partially permeable membrane.

Poster

What is revision?

Transform it



Talk it out