



Aspire Achieve Thrive

Spring Term
Term 2
Digital ICT
Year 11

Name: _____

Tutor: _____

Year 11 Homework Timetable

Monday	Science Task 1	Ebacc Option A Task 1	Option C Task 1
Tuesday	Sparx Science	Option B Task 1	Modern Britain Task 1
Wednesday	English Task 1	Science Task 2	Option C Task 2
Thursday	Ebacc Option A Task 2	Option B Task 2	Sparx Catch Up
Friday	Modern Britain Task 2	English Task 2	Sparx Maths

Sparx Science

- Complete 100% of their assigned homework each week

Sparx Maths

- Complete 100% of their assigned homework each week

Option A (EBACC)
French
Geography
History

Option B
Art
Business Studies
Catering
Computer Science
History
Health & Social Care
Music
Sport
IT

Option C
Business Studies
Childcare
Catering
Drama
Geography
Health & Social Care
Triple Science
Sport

Half Term 3 (5 weeks) - Year 11		
Week / Date	Homework task 1 Cornell Notes	Homework task 2 Exam Question
Week 1 8th January 2024	Cornell Notes on: Types of network	Question: Types of network
Week 2 15th January 2024	Revision Cards on: Cloud computing	Question: Features of cloud storage
Week 3 22nd January 2024	Cornell Notes on: Modern Teams Stakeholders	Question: Communication tools
Week 4 29th January 2024	Revision Cards on: Impact of Modern Technology Why systems are attacked	Question: Why systems are attacked
Week 5 5th February 2024	Cornell Notes on: External threats to data Internal threats to data	Question: Internal threats to data

Half Term 4 (6 weeks) - Year 11

Week / Date	Homework task 1 Cornell Notes	Homework task 2 Exam Question
Week 6 19th February 2024	Cornell Notes on: User Access Restrictions Data level protection Finding weaknesses	Question: Data level protection methods
Week 7 26th February 2024	Revision Cards on: Defining responsibilities and parameters Disaster Recovery	Question: Disaster recovery policy information
Week 8 4th March 2024	Mock Exams	Mock Exams
Week 9 11th March 2024	Mock Exams	Mock Exams
Week 10 18th March 2024	Cornell Notes on: Shared data Environmental concerns	Question: Use of shared data
Week 11 25th March 2024	Revision Cards on: Equal Access Net Neutrality	Question: Net neutrality

STEP 2: CREATE CUES

What: Reduce your notes to just the essentials.

What: Immediately after class, discussion, or reading session.

How:

- Jot down key ideas, important words and phrases
- Create questions that might appear on an exam
- Reducing your notes to the most important ideas and concepts improves recall. Creating questions that may appear on an exam gets you thinking about how the information might be applied and improves your performance on the exam.

Why: Spend at least ten minutes every week reviewing all of your previous notes. Reflect on the material and ask yourself questions based on what you've recorded in the Cue area. Cover the note-taking area with a piece of paper. Can you answer them?

STEP 1: RECORD YOUR NOTES

What: Record all keywords, ideas, important dates, people, places, diagrams and formulas from the lesson. Create a new page for each topic discussed.

When: During class lecture, discussion, or reading session.

How:

- Use bullet points, abbreviated phrases, and pictures
- Avoid full sentences and paragraphs
- Leave space between points to add more information later

Why: Important ideas must be recorded in a way that is meaningful to you.

STEP 3: SUMMARISE & REVIEW

What: Summarise the main ideas from the lesson.


What: At the end of the class lecture, discussion, or reading session.

How: In complete sentences, write down the conclusions that can be made from the information in your notes.

Why: Summarising the information after it's learned improves long-term retention.

WEEK 1: Cornell Notes (Homework task 1)

Date08 / 01 / 24	Topic: Types of Network	Revision guide page: 2-5
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links <div></div> Questions	Notes

Summary

WEEK 1: Exam Question (Homework task 2)

Date 08/01/24

Question:

Clare is a designer for a games development company.

She works from home and in public places such as cafés, train stations and airports.

Clare uses her laptop to prepare designs.

Give **two** ways Clare could connect her laptop to the internet when she is working away from home.

(2)

Answer:

WEEK 1: Exam Question review and improvement (Classwork)

Question:

Clare is a designer for a games development company.

She works from home and in public places such as cafés, train stations and airports.

Clare uses her laptop to prepare designs.

Give **two** ways Clare could connect her laptop to the internet when she is working away from home.

(2)

Answer:

WEEK 2: Exam Question (Homework task 2)

Date 15/01/24

Question:

Maya has an online shop selling fair trade products.

She collects personal data about her customers.

There is legislation covering data protection. One of the data protection principles that Maya must follow is to protect the customers' personal data she has collected.

Maya uses cloud storage to save all her data.

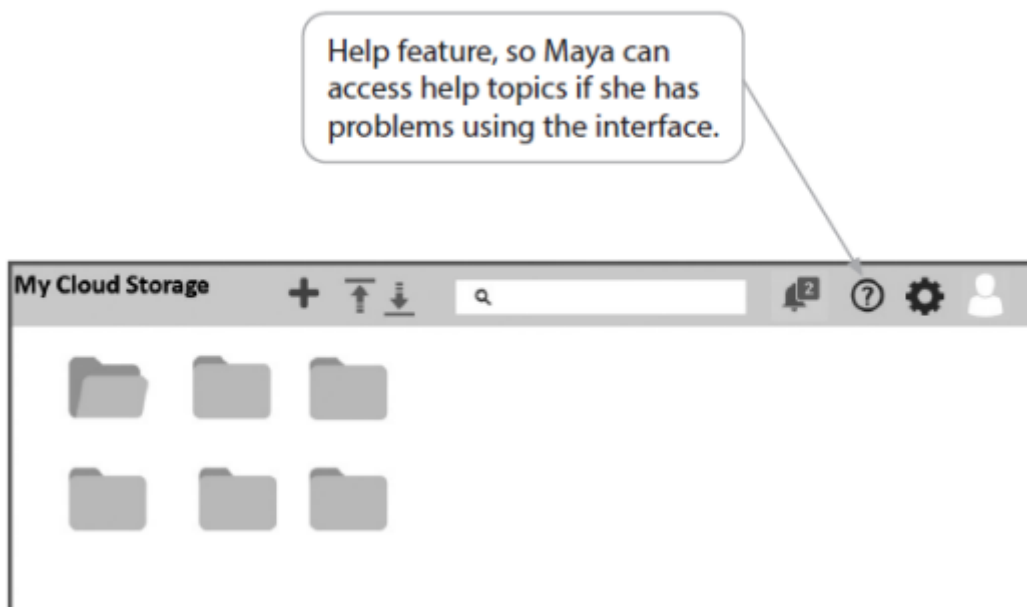
The image shows the interface that she uses.

It has been annotated to explain one of the features.

Annotate the image to explain **two other** features of the cloud storage interface.

(4)

Answer:



WEEK 2: Exam Question review and improvement (Classwork)

Question:

Maya has an online shop selling fair trade products.

She collects personal data about her customers.

There is legislation covering data protection. One of the data protection principles that Maya must follow is to protect the customers' personal data she has collected.

Maya uses cloud storage to save all her data.

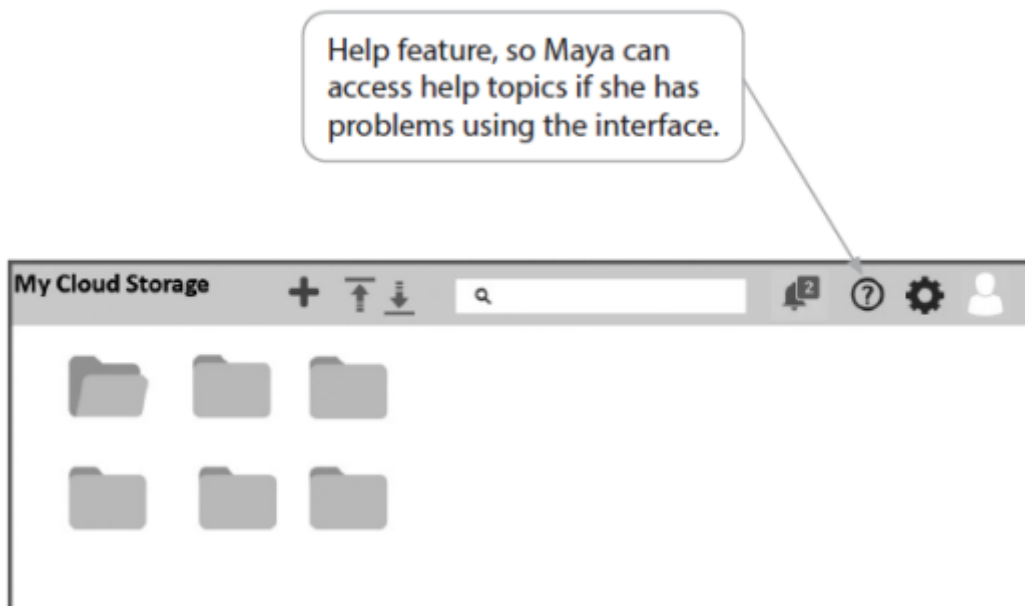
The image shows the interface that she uses.

It has been annotated to explain one of the features.

Annotate the image to explain **two other** features of the cloud storage interface.




(4)

Answer:



WEEK 3: Cornell Notes (Homework task 1)

Date	22 / 01 / 24	Topic: Modern Teams and Stakeholders	Revision guide page 16-20
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   Questions	Notes

Summary

WEEK 3: Exam Question (Homework task 2)

Date 22/01/24

Question:

A car insurance company sells policies to customers all over the UK.

The company uses communication tools to manage its staff.

One communication tool it uses is email.

Explain **one** other communication tool the car insurance company might use.

(2)

Answer:

WEEK 3: Exam Question review and improvement (Classwork)

Question:

A car insurance company sells policies to customers all over the UK.

The company uses communication tools to manage its staff.

One communication tool it uses is email.

Explain **one** other communication tool the car insurance company might use.

(2)

Answer:

WEEK 4: Exam Question (Homework task 2)

Date 29/01/24

Question:

Marco owns a building company. Marco uses digital technology systems to design new homes for his customers and order building materials from local suppliers.

Marco is concerned about someone attacking his systems.

One reason why someone might attack his systems is to steal his data.

State **two other** reasons why someone might attack his systems.

(2)

Answer:

WEEK 4: Exam Question review and improvement (Classwork)

Question:

Marco owns a building company. Marco uses digital technology systems to design new homes for his customers and order building materials from local suppliers.

Marco is concerned about someone attacking his systems.

One reason why someone might attack his systems is to steal his data.


State **two other** reasons why someone might attack his systems.

(2)

Answer:

WEEK 5: Cornell Notes (Homework task 1)

Date05 / 02 / 24	Topic: External threats to data and Internal threats to data	Revision guide page29-33
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 Questions	Notes

Summary

WEEK 5: Exam Question (Homework task 2)

Date 05/02/24

Question:

A company that sells books has shops all over the UK.

The company has a head office in Carlisle.

The company uses book sales data for its day-to-day activities.

Discuss possible internal threats to this data and their impact on the company.

(6)

Answer:

[illegible]

WEEK 5: Exam Question review and improvement (Classwork)

Question:

A company that sells books has shops all over the UK.

The company has a head office in Carlisle.

The company uses book sales data for its day-to-day activities.

Discuss possible internal threats to this data and their impact on the company.




(6)

Answer:

[illegible]

WEEK 6: Cornell Notes (Homework task 1)

Date 19 / 02 / 24	Topic: User Access Restrictions, Data level protection, Finding weaknesses	Revision guide page: 35-39
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   Questions	Notes

Summary

WEEK 6: Exam Question (Homework task 2)

Date 19/02/24

Question:

Hues Artwork is a graphic design company.

It specialises in designing brochures, magazines and advertising products, using specialised computer software.

User access restriction and data level protection methods could keep its designs safe.

A firewall is one data level protection method Hues Artwork could use.

State **two other** data level protection methods it could use.

Answer:

WEEK 6: Exam Question review and improvement (Classwork)

Question:

Hues Artwork is a graphic design company.

It specialises in designing brochures, magazines and advertising products, using specialised computer software.

User access restriction and data level protection methods could keep its designs safe.

A firewall is one data level protection method Hues Artwork could use.

State **two other** data level protection methods it could use.

Answer:

WEEK 7: Exam Question (Homework task 2)

Date 26/02/24

Question:

A company that sells books has shops all over the UK.

The company has a head office in Carlisle.

The company has a Disaster Recovery Policy.

The policy includes the process for backing up its book sales data.

One example of information that should be in the policy is a list of files and folders to be included in the backup.

Explain **one other** example of information to be included.

Answer: _____

[illegible]

WEEK 7: Exam Question review and improvement (Classwork)

Question:

A company that sells books has shops all over the UK.

The company has a head office in Carlisle.

The company has a Disaster Recovery Policy.

The policy includes the process for backing up its book sales data.

One example of information that should be in the policy is a list of files and folders to be included in the backup.

Explain **one other** example of information to be included.

Answer: _____

[illegible]

WEEK 8: Assessment Week Revision (Homework task 1)

Date 04 / 03 / 24	Topic
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[illegible]

WEEK 8: Assessment Week Revision (Homework task 2)

Date 04 / 03 / 24	Topic
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[illegible]

WEEK 9: Assessment Week Revision (Homework task 1)

Date 11 / 03 / 24	Topic
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[illegible]

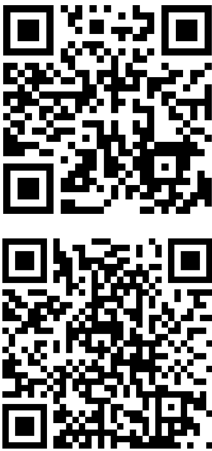
WEEK 9: Assessment Week Revision (Homework task 2)

Date 11 / 03 / 24	Topic
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[illegible]

WEEK 10: Cornell Notes (Homework task 1)

Date 18 / 03 / 24	Topic: Shared data and Environmental concerns	Revision guide page 46 - 48
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 Questions	Notes

Summary

WEEK 10: Exam Question (Homework task 2)

Date 18/03/24

Question:

A company that sells books has shops all over the UK.

The company has a head office in Carlisle.

Each shop stores book sales data on the shop's computer system.

They then share this data with the head office.

Describe **one** way the company head office can use this shared data.

(3)

Answer: _____

WEEK 10: Exam Question review and improvement (Classwork)

Question:

A company that sells books has shops all over the UK.

The company has a head office in Carlisle.

Each shop stores book sales data on the shop's computer system.

They then share this data with the head office.

Describe **one** way the company head office can use this shared data.

(3)

Answer: _____

[illegible]

WEEK 11: Exam Question (Homework task 2)

Date 25/03/24

Question:

TechnoWhizz is a technology development company based in London that makes a range of digital systems, devices and apps.

TechnoWhizz wants to introduce a video streaming service to provide content for their devices.

Describe how 'Net neutrality' will help TechnoWhizz compete with more established video streaming services.

(3)

Answer: _____

WEEK 11: Exam Question review and improvement (Classwork)

Question:

TechnoWhizz is a technology development company based in London that makes a range of digital systems, devices and apps.

TechnoWhizz wants to introduce a video streaming service to provide content for their devices.

Describe how 'Net neutrality' will help TechnoWhizz compete with more established video streaming services.

(3)

Answer: _____

Week 2

Revision Card on Cloud computing	Answers
<ol style="list-style-type: none">1. What is cloud storage?2. What is cloud computing?3. Give 2 features of cloud computing4. Give 2 features of cloud storage5. Cloud storage allows scalability. What is scalability?6. What does intuitive design mean?7. Why might data security be an issue with cloud-based systems8. Why might there be downtime in cloud services?	



Week 4

Revision Card on Impact of Modern Technology and Why systems are attacked	Answers
<ol style="list-style-type: none">1. What are the benefits of the 24/7 availability brought by modern technology?2. What are the benefits of collaboration due to modern technology?3. What are the positives of modern technologies to remote working for organisations?4. Modern technology has changed where and when we work. What are the benefits of this for individuals?5. What does BYOD stand for?6. Modern technology has changed working styles so now we often work on our own devices. What are the benefits of this?7. What are the negative impacts modern technology has on our mental wellbeing?	

Week 7

Revision Card on Defining responsibilities and parameters and Disaster Recovery	Answers
<ol style="list-style-type: none">1. Why is it important to assign responsibilities for implementing cybersecurity policies?2. Why is it important that passwords are complex?3. In an acceptable software policy, who is usually responsible for installing software?4. What is device hardening?5. What is the purpose of the disaster recovery policy?6. What kind of threats can disaster recovery policies help to protect us from being impacted by?7. What are the 5 actions to be taken after an attack? (in order)	



Week 11

Revision Card on Equal Access and Net Neutrality	Answers
<ol style="list-style-type: none">1. What is equal access?2. What is the term used to describe the unequal access between poorer countries/people and richer countries/people?3. What are the potential effects on society of equal access to the services & information provided by IT systems?4. What are the four key principles of the Web Content Accessibility Guidelines?5. What does net neutrality mean?6. What cbe the impact on businesses of not having net neutrality?	

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Develop your character



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