



STOKE
DAMEREL

Aspire Achieve Thrive

Term 3 & 4
Digital IT
Year 11

Name: _____

Tutor: _____

Year 11 Homework Timetable

Monday	Ebacc Option D Task 1	Option C Task 1	Option A Task 1	
Tuesday	English Task 1	Tassomai Daily Goal 1	Option B Task 1	
Wednesday	Sparx	Science Task 1	Option C Task 2	
Thursday	Ebacc Option D Task 2	Tassomai Daily Goal 2	Option B Task 2	
Friday	Sparx	Science Task 2	English Task 2	Option A Task 2








Block A	Block B	Block C	Block D
Art	Business Studies	Art	French
Dance	Child Development	Business Studies	Geography
Drama	Catering	Geography	History
Media Studies	Computer Science	Health & Social Care	
Music	Drama	History	
Photography	Health & Social Care	Catering	
	IT	Photography	
	Media Studies	Sport	
	Sociology	Travel & Tourism	
	Sport		

Tassomai - 2 Daily Goals per week
Sparx - 4 tasks of Sparx per week

Year 11 Homework Plan

Week Beginning Date	Exam Questions and Cornell Notes
Week 1 Monday 2nd January	Learning Aim A - Modern Technologies
Week 2 Monday 9th January	Learning Aim B - Threats to Digital Systems
Week 3 Monday 16th January	Learning Aim C & D - Responsible, Legal and Ethical Use of Data & Different Forms of Notation
Week 4 Monday 23rd January	Final revision
Week 5 Monday 30th January	COMPONENT 3 EXAM TUESDAY 1ST FEBRUARY

Year 11 Homework Plan

Week Beginning Date	Cornell Notes	KnowItAllNinja link
Week 6 Monday 6th February	Data manipulation methods	
Monday 13th February	HALF-TERM	
Week 7 Monday 20th February	Data manipulation methods	
Week 8 Monday 27th February	Data manipulation methods	
Week 9 Monday 6th March	Other processing methods	
Week 10 Monday 13th March	Other processing methods	
Week 11 Monday 20th March	Showing data summaries	
Week 12 Monday 27th March	Showing data summaries	

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.

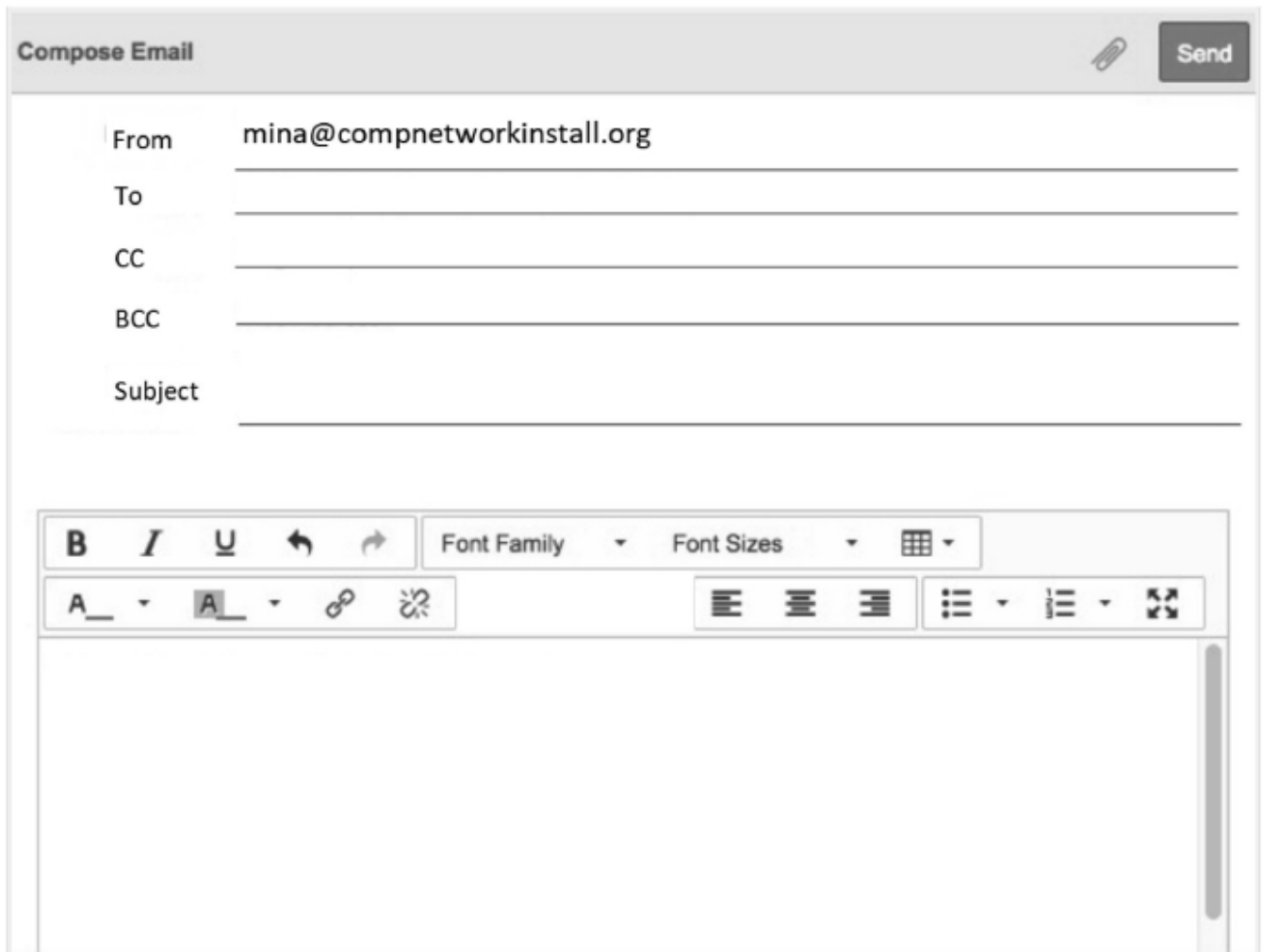
How: In complete sentences, write down the conclusions that can be made from the information in your notes.

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

Learning Aim A - Modern Technologies

Date.....

- 1. Mina works for a computer network installation company.
He designs and installs computer networks.
Mina works remotely.
Mina uses emails to communicate with other staff.
Annotate the email interface to explain two features that support collaborative working.



(Total for question = 4 marks)

2. Andrea owns an indoor trampoline park.

Customers can pay for their visit to the park on the park's website. However, the current website is not secure.

Explain **one** accessibility feature that the improved website could use for a specific customer need.

(2)

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(Total for question = 2 marks)

3. Run on Wind is a UK-based company that installs and maintains wind farms in countries all over the world.

Run on Wind employs staff in other countries to install and maintain wind farms.

Explain **one** benefit to the company of employing staff in other countries.

(2)

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(Total for question = 2 marks)

4. PublishShare is a publishing company.

The company uses a range of digital systems to support its business.

The use of collaborative technologies will allow PublishShare's employees to work from home.

Explain **two** benefits to PublishShare of allowing its employees to work from home.

(4)

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(Total for question = 4 marks)

WEEK 2

Questions:	Notes

Summary:

Learning Aim B - Threats to Digital Systems

1. The staff at a local driving school keep learners' data in a database.
They are worried about the possible criminal use of their computer systems.
The driving school uses anti-virus software.

Describe how anti-virus software protects data.

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(Total for question = 4 marks)

2.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.

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(Total for question = 2 marks)

3. A doctor's surgery provides medical care for people in the local area. The surgery uses Information Technology to collect, store and process patient data.

Username and passwords are used to restrict user access to patient data.

Explain **two other** ways the surgery can restrict user access.

(4)

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(Total for question = 4 marks)

4. Chocawoca is a confectionary manufacturer that makes high quality sweets and chocolates that they sell in their shops and online.

Chocawoca's recipes are kept on secure servers in their secret recipe rooms and only certain staff have access to these recipes. They are concerned about the internal threats to this vital data.

Explain **two** possible internal threats to Chocawoca's recipes.

(4)

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(Total for question = 4 marks)

5. A local travel agency sells holidays through high street shops and online.
The travel agency has an Acceptable Use Policy.

Explain **two** purposes of this policy.

(4)

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(Total for question = 4 marks)

6. Run on Wind is a UK-based company that installs and maintains wind farms in countries all over the world.

Staff at Run on Wind use direct messaging to communicate with each other.

The staff also use email to communicate with each other.

Phishing is a potential threat to data when using email.

Explain **two** ways the staff could protect the company's data and systems against phishing.

(4)

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(Total for question = 4 marks)

WEEK 3

Questions:	Notes

Summary:

WEEK 3

Learning Aim C & D - Responsible, Legal and Ethical Use of Data & Different Forms of Notation

1. 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)

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(Total for question = 3 marks)

2. An online company designs and sells gadgets.

The company uses cookies to gather information about visitors who use the website.

Describe **one** way the company could use cookies to help promote its gadgets.

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(Total for question = 2 marks)

3. Chocawoca is a confectionary manufacturer that makes high quality sweets and chocolates that they sell in their shops and online.

Chocawoca's recipes are protected by intellectual property rights.

Explain how **one** method of intellectual property rights protection will help Chocawoca protect its recipes.

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(Total for question = 2 marks)

4. PublishShare is a publishing company.

The company uses a range of digital systems to support its business.

PublishShare's customers require an account to buy products. Their account contains personal information.

PublishShare wants to pass this information to another company to analyse.

Explain what PublishShare would need to do to make sure they comply with data protection laws.

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(Total for question = 2 marks)

5. 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 tries to use her digital systems responsibly.

Explain **one** way she could reduce the amount of energy her digital systems use.

(2)

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(Total for question = 2 marks)

6. Anna works for an online estate agency.

She travels to different places to meet with people who are selling their houses.

She uses a company laptop to record the property details.

She then uploads the property details to the company website using a mobile network.

Anna uses an incremental backup for her data.

An incremental backup will only backup a file if:

- it has changed since the last backup

or

- the file is new/has never been backed up.

The incremental backup must repeat this process for all the files on Anna's laptop.

Draw a flowchart to show the process for an incremental backup.

(6)

(Total for question = 6 marks)

7. Piccalilli Shoes sells shoes through its nationwide shops and telephone orders.

Piccalilli Shoes has created a website to allow customers to buy online.

Figure 1 shows part of the process of purchasing shoes through the company's website:

Figure 1

Draw a top level (Level 0) Data Flow Diagram showing the process Piccalilli Shoes uses for online orders.

(6)

(Total for question = 6 marks)

WEEK 5

Questions:	Notes

Summary:

Questions:	Notes

Summary:

WEEK 8

Questions:	Notes

Summary:

WEEK 9

Questions:	Notes

Summary:

WEEK 10

Questions:	Notes

Summary:

WEEK 11

Questions:	Notes

Summary:

WEEK 12

Questions:	Notes

Summary:

Aspire
ACHIEVE
Thrive

Develop your character



Aspire Achieve Thrive