

Year 10 Weekly Tasks – WK Beginning 13.07.20



Please note – pupils will need to be logged into Elvin Portal – Pupil Zone for the links to work.

CORE SUBJECTS

English

English Language

Task 1	What I will need...	What I need to do...
Text and Comprehension 30 minutes	Watch the two videos from George the Poet The interview HERE And The poem: HERE	Watch the videos in the links and complete the comprehension quiz about George the Poet's ideas. And complete the comprehension quiz HERE

Task 2	What I will need...	What I need to do...
Writing about your ideas 45 minutes	Microsoft Word or email to write your response Your teacher's email address Access to email A clear plan	'You can't fight violence with silence – we need to speak out against all the prejudice, hate, inequality and disadvantage which affects our communities' Write a speech to present at a school assembly expressing your views on this statement. <ul style="list-style-type: none">• Check your spelling and punctuation• Use a range of sentences to make your ideas clear• Develop your thoughts in paragraphs This video link explaining systemic racism might help with your ideas too: https://www.bbc.co.uk/news/uk-53342666

Task 3	What I will need...	What I need to do...
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<p>Reading Journal task</p> <p>At least 20 minutes every day</p>	<ol style="list-style-type: none"> 1. Lined paper or a notebook 2. A fiction book of your choice OR e-reader 3. A pen 	<p>Read a book of your choice for at least 20 minutes Monday-Friday.</p> <p>On lined paper or in your own notebook, every day you read, write down:</p> <ol style="list-style-type: none"> 1. The date 2. How many pages you read e.g. <i>I read from page 6- page 17</i> 3. In one beautifully crafted sentence, explain one thing you liked about the part you read. E.g. <i>In today's reading, I liked the part when...because...</i> 4. Write down any words whose meanings you did not know and write the meanings next to them
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English Literature

Maths

Set 1

Please see the home learning folder [here](#).

Complete the work for week commencing Monday 13th July. (Page 148- 177)

Two-way tables and probability, Drawing cumulative frequency graphs, Interpreting cumulative frequency graphs and Corbett Maths 5-a-day

The Hegarty tasks you need to complete are: 422, 423, 424, 437, 438, 439

As a rough guide the booklet work should be 40 minutes per day and the Hegarty task 20 minutes. Your class teacher will also set you these tasks on Hegarty and will be checking them for completion and 80% correct or more.

Sets 2, 3 and 4

Please see the home learning folder [here](#).

Complete the work for week commencing Monday 6th July. (Page 124-134)

Probability tree diagrams, Speed, distance and time, Density, mass and volume and Corbett Maths 5-a-day

The Hegarty tasks you need to complete are: 362, 363, 716, 718, 725, 726

As a rough guide the booklet work should be 40 minutes per day and the Hegarty task 20 minutes. Your class teacher will also set you these tasks on Hegarty and will be checking them for completion and 80% correct or more.

Science

This week's focus is Biology

Ecology- Extremophiles

Prepare your exercise book

Write the date and title in your book (the title is Extremophiles)

Watch

Watch the following videos on this topic:

Ark Elvin loom video – see your Teacher’s email for the link

[Extremophiles- weird animals- We are the Aliens](#)

Stretch [video- Tiny extremophiles living in rocks](#)

Read

Read the anchor text on Extremeophiles and click on the links throughout

Do

1. Complete the extremeophiles key questions by typing your answers on the word document or writing the answers into your exercise book.
2. Watch the extremeophile case study video here: [here](#) and complete the questions related
3. Self-assess your answers using the answer document uploaded on Wednesday to improve your work.
4. Extended Question

Complete the extended question on Extremeophiles

You can either create a piece of work by hand (e.g. an annotated diagram, a poster) or create a word document/powerpoint or simply type an answer into the form.

You need to enter/upload your responses using the form [here](#)

The deadline for the extended response question is Thursday 16th July at 12pm

5. Mastery Quiz

Complete the online Mastery Quiz on Extremeophiles

Click [here](#) for the mastery quiz

The deadline for you to complete the mastery quiz is Thursday 16th July at 12pm

Team Science look forward to reading all of your wonderful Biology work!

Summary of tasks – what and when?

Day	Task	Time	Link
Monday	Read your Teachers email Watch loom video Read anchor text	60 minutes	
Tuesday	Complete key questions	60 minutes	case study

	Watch the plant defence video and answer the questions		
Wednesday	Self-assess key questions	30 minutes	here
	Complete the extended question	30 minutes	
Friday	Complete the mastery quiz	60 minutes	here

NON-CORE SUBJECTS

Art

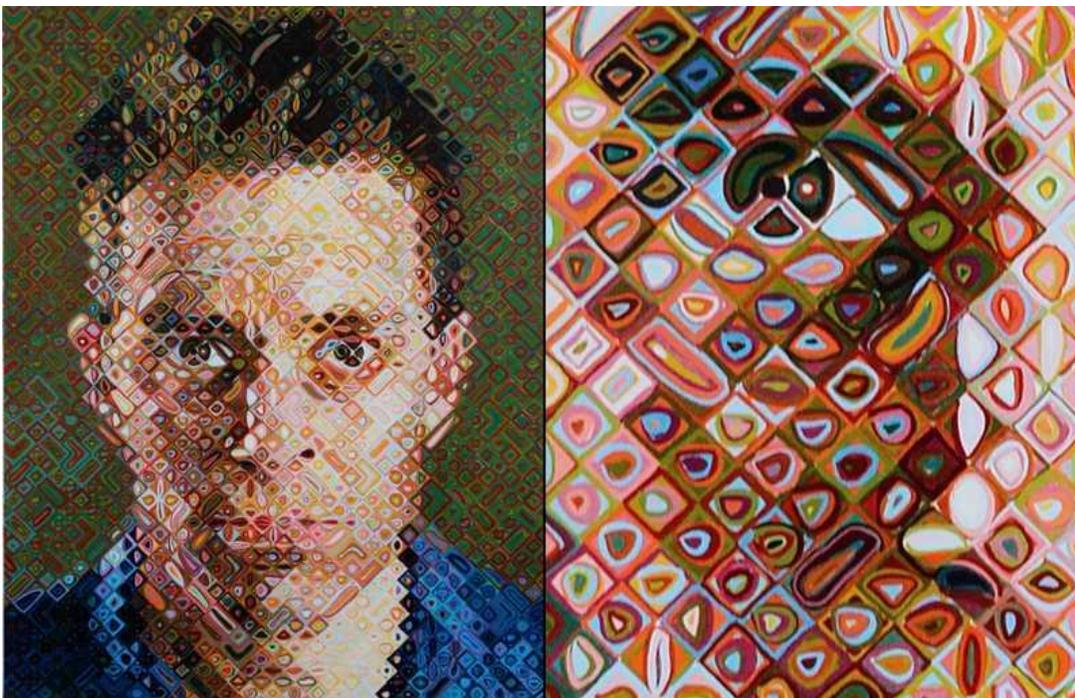
For this activity you need

- Pencil
- Rubber
- Ruler
- A4 Plain piece of white paper
- Colouring pencils

Learning Objective: To design a title inspired by an artist.

Follow the below instructions to design a title inspired by the work of Chuck Close

Look at the work below for inspiration:



Task:

1. Plan how big you would like your title to be
2. Draw a light line above where you plan your letters to be
3. Draw a light line below where you plan for your letters to be
4. Bubble write your letters



5. Add colours and designs that the artist uses to create his work
Use the side of a sharp pencil, in one direction to be smooth and neat.

Stop when necessary to review your work and make corrections.

Good luck and keep practicing. Spend up to 2 hours on this work.

This work should be finished by Friday.

Computer Science

GCSE Computer Science

Important information: The following task has been set and should be completed on MS Teams.
Email me if you have any issues doing this.

This task should take two hours to complete

1. For each code snippet in the table below, complete the second column to predict what the code does.
2. Run each code snippet in Repl.it, complete the Actual Result column to say what it does. How does it compare with your prediction?

	Code	Prediction	Actual Result
1	<pre> 1 score = 20 2 score = score + 100 3 print(score / 10) </pre>		
2	<pre> 1 score = 200 2 # print(score) 3 print("score") </pre>		
3	<pre> 1 number1 = input("Enter the first number please") 2 number2 = input("Enter the second number please") 3 total = number1 + number2 4 print(total) </pre>		

```

4 1 kilometers = float(input("Enter value in kilometers: "))
   2
   3 conv_fac = 0.621371
   4
   5 miles = kilometers * conv_fac
   6 print('%0.2f kilometers is equal to %0.2f miles' %(kilometers,

```

3. Modify code 4 so that the result is in metres rather than miles. Paste your code below
4. Write a Python program to convert temperature from Fahrenheit to Celsius and vice versa. Paste your code below

iMedia

Important information: The following task has been set and should be completed on MS Teams. Email me if you cannot do this. These tasks should take one to two hours.

The following links will help you complete the tasks

- [File Formats](#)
- [Image File Formats Presentation](#)

Task 1

The following table lists common file format/extensions. Tick (or type “X”) the Print use or Web/Multimedia use column to indicate where each of these file format/extensions would typically be used.

File format/extension	Print Use	Web or multimedia use
.jpg	X	X
.png		
.tif		
.pdf		
.bmp		
.gif		

Task 2

When working with images, you need to be aware of the difference between vector and raster graphics. Look at the example below. It shows what happens when you zoom in on a raster graphic:



The pixels become visible as tiny squares, and the overall effect is rather blurred. Vector graphics store the image information as a series of coordinates or vectors, and when resizing by zooming, the pixellation effect does not occur.

Complete the table below, entering examples of file types and advantages and disadvantages for both bitmap or raster graphics and vector graphics. You should comment on the following factors in the advantages/disadvantages columns:

- Making the graphic much larger by scaling
- Software that is used to edit or create
- Whether used for print products or web pages

	File Types	Advantages	Disadvantages
Bitmap or raster graphics			
Vector Graphics			

Drama

Topic: Hamilton – the review.

Powerpoint [here](#).

Complete the tasks on the powerpoint. Spend up to two hour doing this.

Send work to l.spiers@arkelvinacademy.org before Friday at 12:00

DT

Work to be emailed to Ms Connett by Friday 18th June 2020

See link for PowerPoint below:

https://arkschools.sharepoint.com/:p:/s/elvin/students/EeSzXisCS_tMutmk-YTuisT4BQQCg-ClUY7J-ZDF3AKzVzA?e=OKQgeu

Download the word document 'DT Year 10 - Project - Thinking outside the Box - 08.06.2020'
Read through the project carefully, highlighting key information to help you complete the tasks.

Task 1 – Final Prototype - Slide 17 – 30 minutes

Make your final idea using cardboard that you have repurposed. Make sure that it is accurate and to scale. Take a photo of it and upload it to the portfolio. You will need to make this as neat as possible so take your time, use your CAD drawing to help you and make sure that you check your measurements before cutting. It must be 'fit for purpose' (in other words, functional) and consider aesthetics. You can paint them if you like but the more successful designs tend to keep the materials in their natural aesthetic.

Try and get a photo of your product in context (this means being used where it would normally be used). If it is a coffee table put it in your living room etc.

Task 2 – Evaluation - Slide 18 – 30 minutes

Now that you have completed your design process you need to evaluate your final product against the specification to make sure that it has been done in line with the specification you created. Rate each criteria out of 10 on how well it did and justify your answers. Then create a sales pitch conclusion that highlights the Unique Selling Points of your design. To finalise your evaluation add what you could have done better and create a 'reformulated' design. This is a design that considers the good/bad points of your product and develops it even further if you were to continue the designing process.

French

Lesson tasks (45 minutes each)

Complete the tasks in the links below. Write your answers in your book:

- [On peut faire](#) (45 minutes)
- [J'adore ma région](#) (45 minutes)

Send a photo of your work to your teacher.

Continue learning on Memrise (at least 30 minutes)

1. [Click here to watch a 4 minute video of how to create your Memrise account](#)
2. When you have created your account, [click on this link to join the Elvin Memrise group](#)
3. You should spend 10 minutes each day (or 2 x 30 minute sessions) learning vocabulary

Email Miss Tiller if you have any questions: k.tiller@arkelvinacademy.org

Geography

This week we are revising: Energy Supply and Consumption Complete Tasks 1-3 below.

Watch the loom video [here](#).

Find answers to last week [here](#) and [here](#)

Within Task 3 there is one exam question that I would like you to email to your teacher for feedback. The question is: Explain how energy security in the UK can be improved. (6)

This is due at 11am on Thursday 16th July

Task 1: Read information and take notes using the [revision guide](#)(1hr)

Task 2: Complete [short answer questions](#) (20 mins)

Task 3: Complete the [exam questions](#) in your books (other than the one at the top which you should send by email to your teacher). (40 mins)

Use this resource if you need extra help:

BBC Bitesize: <https://www.bbc.co.uk/bitesize/guides/zxc2sg8/revision/1>

Use SENENCA to revise the urban topic (Chapter 6.4)

<https://app.senecalearning.com/classroom/course/5a073d30-21f8-11e8-8c19-619061cc7240>

History

Lesson title: Crime and Punishment (1700-1900) Case study: Pentonville Prison

[Click here](#) for the reading and sources you will need for this lesson

[Click here](#) for the video instructions

Instructions:

Task 1 – Read the article about Pentonville Prison.

Task 2 – Answer the questions for both source A and B

Source A

1. What does this source show us about Pentonville Prison?
2. In what ways would this source be useful for historians?
3. In what ways would this source not be useful for historians?

Source B

1. What does this source tell us about the life of Victorian prisoners?
2. How useful is this source for historians that are trying to learn about Pentonville Prison? Explain your answer.

Task 3 – Write one paragraph answering the question, ‘To what extent do you agree that Pentonville Prison deserves to be remembered infamously?’

Email your work to your teacher once you are finished.

Mr. McDonough – r.mcdonough@arkelvinacademy.org

Mr. Cook – p.cook@arkelvinacademy.org

Ms. Organ – c.organ@arkelvinacademy.org

Due: Friday 17th July 2020, 3:30 pm.

You can also email Mr. O’Hara if you need any help: c.ohara@arkelvinacademy.org

Music

Set: Monday 13th July

Due in: Thursday 16th July

This week we are focusing in on the last few key points of Defying Gravity.

This will appear in your Summer holiday homework as well as the first couple of lessons in Year 11 so it is important to go through Defying Gravity in detail this week.

How to organise your Music time this week:

1. Download and save any sheets on your computer from all the lessons.
2. Complete your work on the worksheets in the links below or a blank word document too and send it me back.
3. Send them back to me all in ONE email.
4. Please write all your work in full sentences when answering the questions.
5. Please send me ALL tasks back for the week.

Purpose of work: To consolidate the key learning of Defying Gravity.

Complete all tasks by 3pm Thursday 16th July

Lesson	What resources you will need?	Time it will take	How to do it?
Lesson 1 Defying Gravity – Bitonality and Word painting	Bitonality and Word Painting worksheet Bitonality and Word Painting video	45 minutes	<ul style="list-style-type: none">• Open up the worksheet by right clicking and pressing ‘Open hyperlink’.• Open up the video.• Get your instrument/keyboard app/composing software.• Listen to the video and work through the worksheet at the same time.• Send me the worksheet back.• Make sure you listen to the track too when you are answering the questions.• https://www.youtube.com/watch?v=3GDG_ZmBLA4
Lesson 2 Defying Gravity – Section A questions	Defying Gravity Section A question worksheet	45 minutes	<ul style="list-style-type: none">• Open up the worksheet by right clicking and pressing ‘Open hyperlink’.• Open up the video.• Listen to the video and work through the worksheet at the same time.• Make sure you listen to the track too when you are answering the questions.

	Defying Gravity Section A question video		<ul style="list-style-type: none"> • https://www.youtube.com/watch?v=3GDG_ZmBLA4
Lesson 3 Defying Gravity Coda and Augmentation	Defying Gravity Coda and Augmentation worksheet Defying Gravity Coda and Augmentation video Defying Gravity Score	45 minutes	<ul style="list-style-type: none"> • Open up the worksheet by right clicking and pressing 'Open hyperlink'. • Open up the video and the score. • Listen to the video and work through the worksheet at the same time. • Make sure you listen to the track too when you are answering the questions. • https://www.youtube.com/watch?v=3GDG_ZmBLA4 • Send me the worksheet back when you have completed it.

Other things for this week:

There are other bits of additional work that you can complete separately.

- I would love for you to send me a small audio clip or video clip of you practicing your instrument at home.
- Band lab = I will be giving you BandLab videos to complete over the Summer Holidays. Get familiar with Bandlab now by using the Band lab sheets;
- [Creating a Bandlab account](#)
- [Creating a melody on Bandlab](#)
- Check out www.arkmusicresources.co.uk for some excellent Music resources, like 'Band in a week'.
- Password: MusicResources
- Instrumental lessons are continuing. Make sure you are practicing the work set by your instrumental teacher.

PE

All of Year 10

Ark Elvin Sports Day – 1st July to 15th July 2020

1. Sign up to the challenge on arksportsdaychallenge.com
2. Run, cycle or walk and submit your distance online
3. The form in each year group with the furthest distance will be crowned the Sports Day 2020 champions

10XC/PE1 GCSE Work

Time: 45 minutes

Task 1 – Answer questions 1-10 on components of fitness on the sheet [here](#). If you are unsure of any of the questions [click here](#), which will take you onto the components of fitness power point.

Task 2 – Read the messages from the athletes [here](#) and explain which components are most important in their sports and why.

RE

1. Complete the Christian Beliefs revision quiz:

https://forms.office.com/Pages/ResponsePage.aspx?id=dBTLADSljUaCn2NuzjLCTMsJG39xZoxFj6IGWzA_91RURUwzVkvERUxKVkoXVFlJUJZUDhZUUY4US4u

Suggested time: 15 minutes

You can find notes to help you here:

<https://arkschools.sharepoint.com/sites/elvin/students/Shared%20Documents/Forms/AllItems.aspx?FolderCTID=0x01200003D95DBFD5525B4BADC8BBDE1700B0AE&sortField=Modified&isAscending=false&viewid=f586f10f%2D613e%2D45a8%2Da22a%2D480268655886&id=%2Fsite%2Felvin%2Fstudents%2FShared%20Documents%2FDepartments%2FRE%2FYear%2010%2FLearning%20Materials%2F14%2E%2013%2E07%2E20%2FChristian%20Beliefs%20Notes>

2. Complete the Muslim Beliefs revision quiz:

https://forms.office.com/Pages/ResponsePage.aspx?id=dBTLADSljUaCn2NuzjLCTMsJG39xZoxFj6IGWzA_91RUMFVTQU83WkZNRDdWWUdGOVcoUk9OSzdXSy4u

Suggested time: 15 minutes

You can find notes to help you here:

<https://arkschools.sharepoint.com/sites/elvin/students/Shared%20Documents/Forms/AllItems.aspx?FolderCTID=0x01200003D95DBFD5525B4BADC8BBDE1700B0AE&sortField=Modified&isAscending=false&viewid=f586f10f%2D613e%2D45a8%2Da22a%2D480268655886&id=%2Fsite%2Felvin%2Fstudents%2FShared%20Documents%2FDepartments%2FRE%2FYear%2010%2FLearning%20Materials%2F14%2E%2013%2E07%2E20%2FMuslim%20Beliefs%20Notes>

Due: Wednesday 15th June 2020 at 15:30.

Sociology

These are your tasks for the week beginning Monday 13th July. Complete all work neatly in your Education exercise book or on a Word document. This week we will be learning about the different explanations as to why females outperform males in education.

Task 1 (45 mins): Why is the performance of female students improving faster than that of male students?

Read page 184-185 found [here](#) and answer the questions below:

1. There have been lots of studies conducted into why female students are outperforming male students. 4 key studies relating to this topic are outlined on p.184. Complete the table below on the key findings from each case study:

Case Study	Key findings
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Harris (1993)	
Moir and Moir (1998)	
Katz (2000)	
James (2000)	

2. Answer this exam question: Identify and explain one reason why male students often achieve lower grades than female students (4 marks)

Task 2 (45 minutes): Review of article

This is an interesting [article](#) that summarises the reasons why females are outperforming males in education. Read the article carefully and complete the table using the information in the article:

Article – Is the future becoming female? (2018)	
3 statistics	1. 2. 3.
Description of why reason why girls do better than boys	
Findings from 3 studies (e.g. Becky Francis, Angela McRobbie)	1. 2. 3.

Please send me the following items by Friday 17th July (can be a Word Document or a picture of your work):

- Your answers to all of the questions – including the 1 exam question
- If you need any help with the above please contact me any time via email

Ms Khokhar z.khokhar@arkelvinacademy.org