



Homework

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# Year 8 ICT **Learning Programme 4**

Reading texts that pupils will study during the learning programme

#### .oricfor LP4 is Initiative

The value we are learning about is Justice and Integrity:

Justice-Fairbehaviourortreatment

Integrity-Being honest and having strong moral principles

### What will I be learning about in this Learning Programme?

This LP will cover essential knowledge relating to binary representations. The activities gradually introduce students to binary digits and how they can be used to represent text and numbers. The concepts are linked to practical applications and problems that the learners are familiar with.

Where have I seen this learning before? Students will use knowledge form LP1 where they developed their knowledge of computer systems

11/03/24 - (WK 1)

I will recall that representations are used to store, communicate, and process information;

 $Iwill\ provide\ examples\ of\ how\ different\ representations\ are\ appropriate\ for\ different\ tasks.$ 

18/03/24 - (WK 2)

I will measure the length of a representation as the number of symbols that it contains;

 $Iwill\ recall\ that\ characters\ can\ be\ represented\ as\ sequences\ of\ symbols\ and\ list\ examples\ of\ character\ co\ ding\ properties and\ character\ co\ ding\ properties and\ character\ co\ ding\ properties\ prope$ 

What could I use it for?

In LP4.1. I will know:

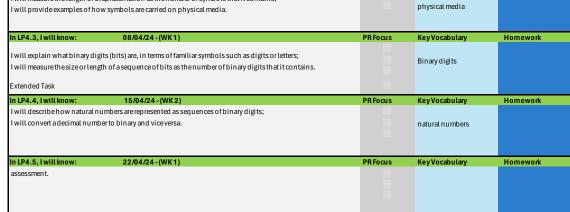
In LP4.2, I will know:

I will list examples of representations;

Students will use this knowledge again in LP5 and also in Year 9

Instruction manuals on how to use graphics software, Instruction manuals on how to use video editing software and Instruction manuals on how to use web development software







In LP4.6, I will know:	29/04/24 - (WK 2)	PR Focus	KeyVocabulary	Homework
I will convert between different units and multiples of representation size.			Conversion, digital devices	
Extended Task				
In LP4.7, I will know:	06/05/24 - (WK 1)	PR Focus	KeyVocabulary	Homework
I will provide examples of the different ways that binary digits are physically represented in digital devices.				
			representation	
In LP4.8, I will know:	13/05/24 - (WK 2)	PR Focus	KeyVocabulary	Homework
I will apply all the skills and k				
Resources to support learning	ng:			
T DDOD:4:				

PR Focus

PR Focus

**Key Vocabulary** 

Representations

**Key Vocabulary** 

Sequences, character codingschemes

Teams page, BBC Bitesize

## FFET Award Challenge for this Learning Programme:

Attend an extra-curricular club, represent the academy at an event, attend an enrichment day, receive a subject praise postcard, attend a day trip, attend a head of year breakfast or afternoon tea, achieve 100 positive points on class charts, receive a letter of commendation from SLT, be invited to a wonderful Wednesday, receive a principals letter or be invited to a principals lunch, attend a residential trip, achieve the Duke of Edinburgh bronze award.