



Prifysgol Cymru
Y Drindod Dewi Sant
University of Wales
Trinity Saint David

Independent Project (BA)

ACCA6020

BA Computer Games Design
BA Animation & VFX

PART C: GANTT CHARTS

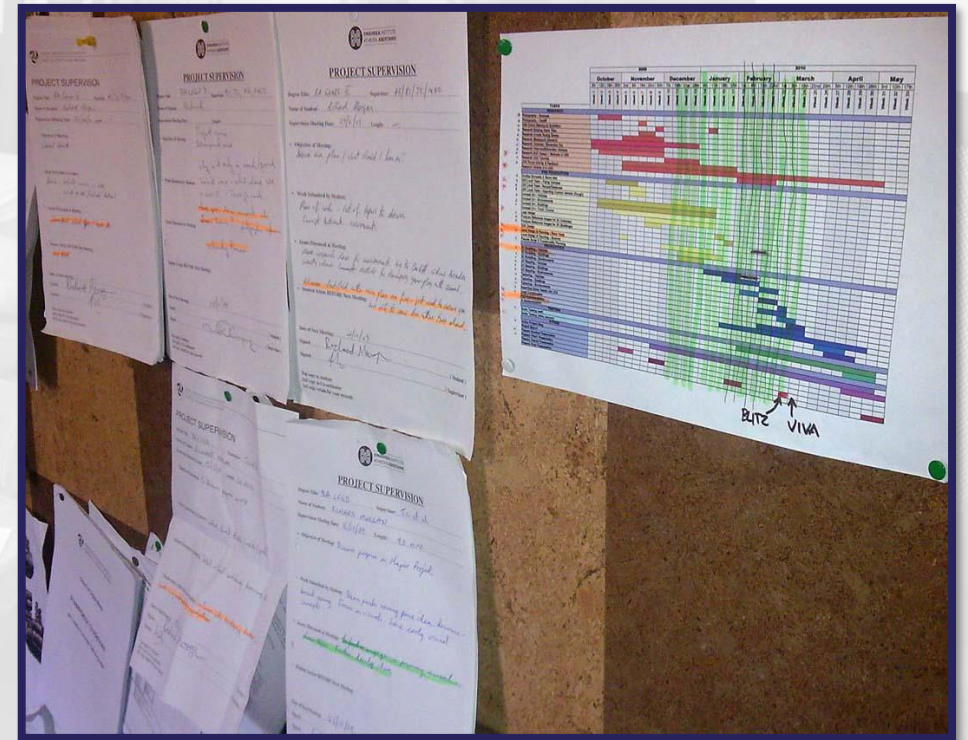


GANTT CHARTS

Gantt charts are useful for the following:

- Production planning
- Ensuring projects stay on track
- Meeting deadlines

They also allow you to **keep track of scheduling** and **help you identify issues** with your production pipeline at an early stage.





GANTT CHARTS

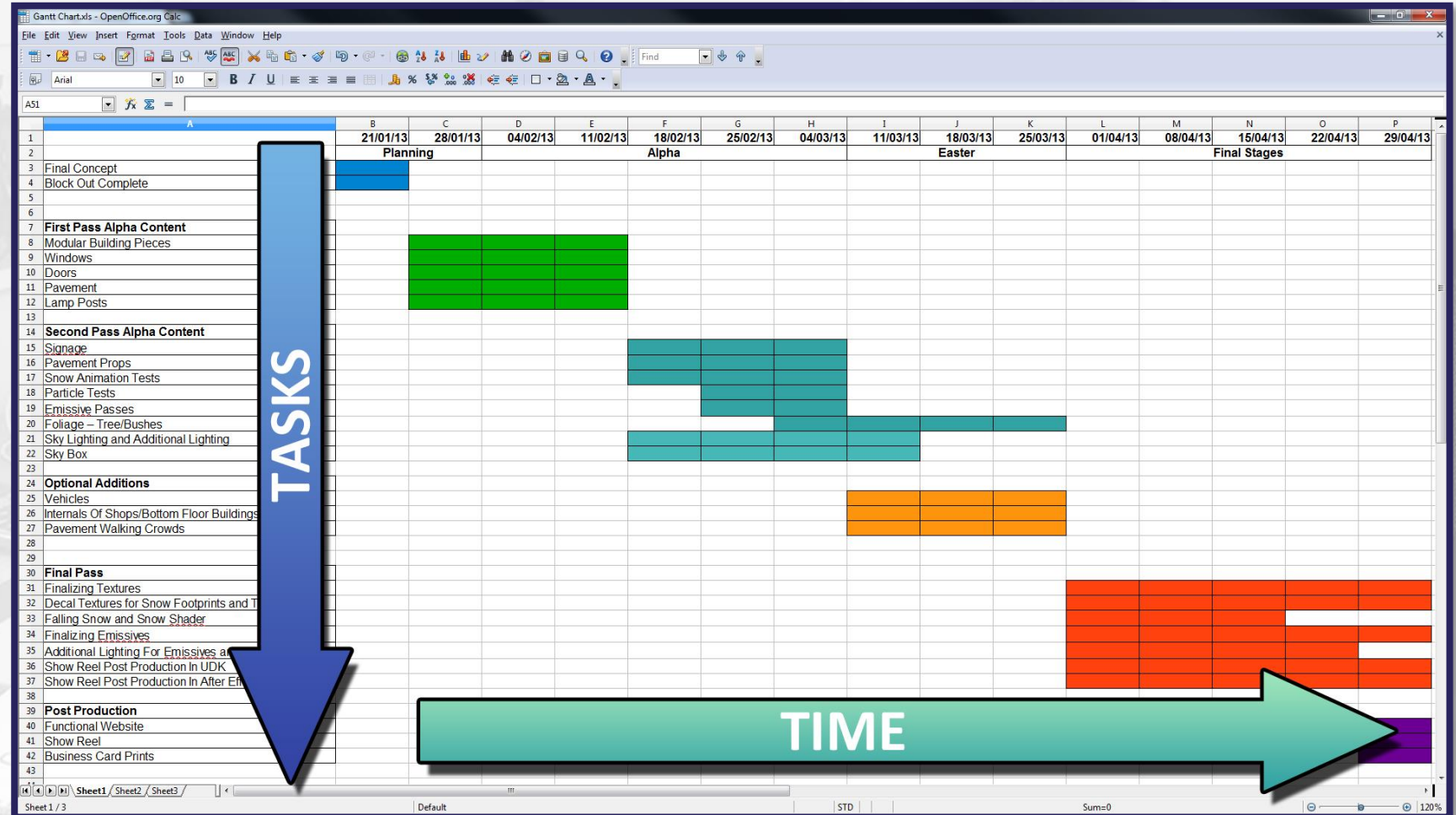
In traditional project planning, you end up with a **cascading “waterfall” view**, which shows the timeline for completion of the project and the **dependencies** that **link the tasks together**.

In order to do this, it is critical to remember to factor in **task slippage, breaks, unexpected delays**, etc.

This can be a time-consuming step, but it will **quickly give you an idea of exactly how much time the project will actually take to complete**. [1]



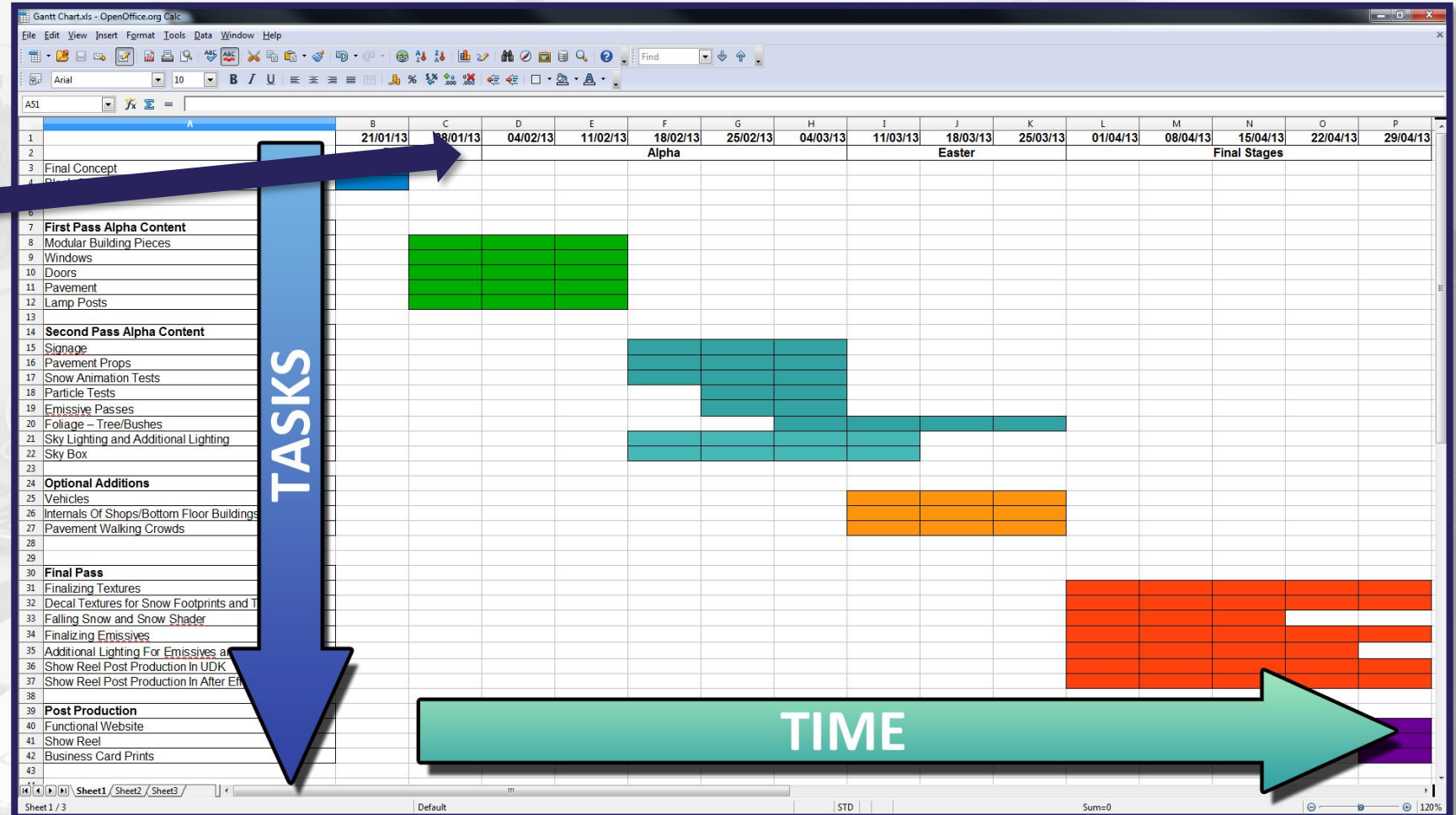
EXAMPLE:





EXAMPLE:

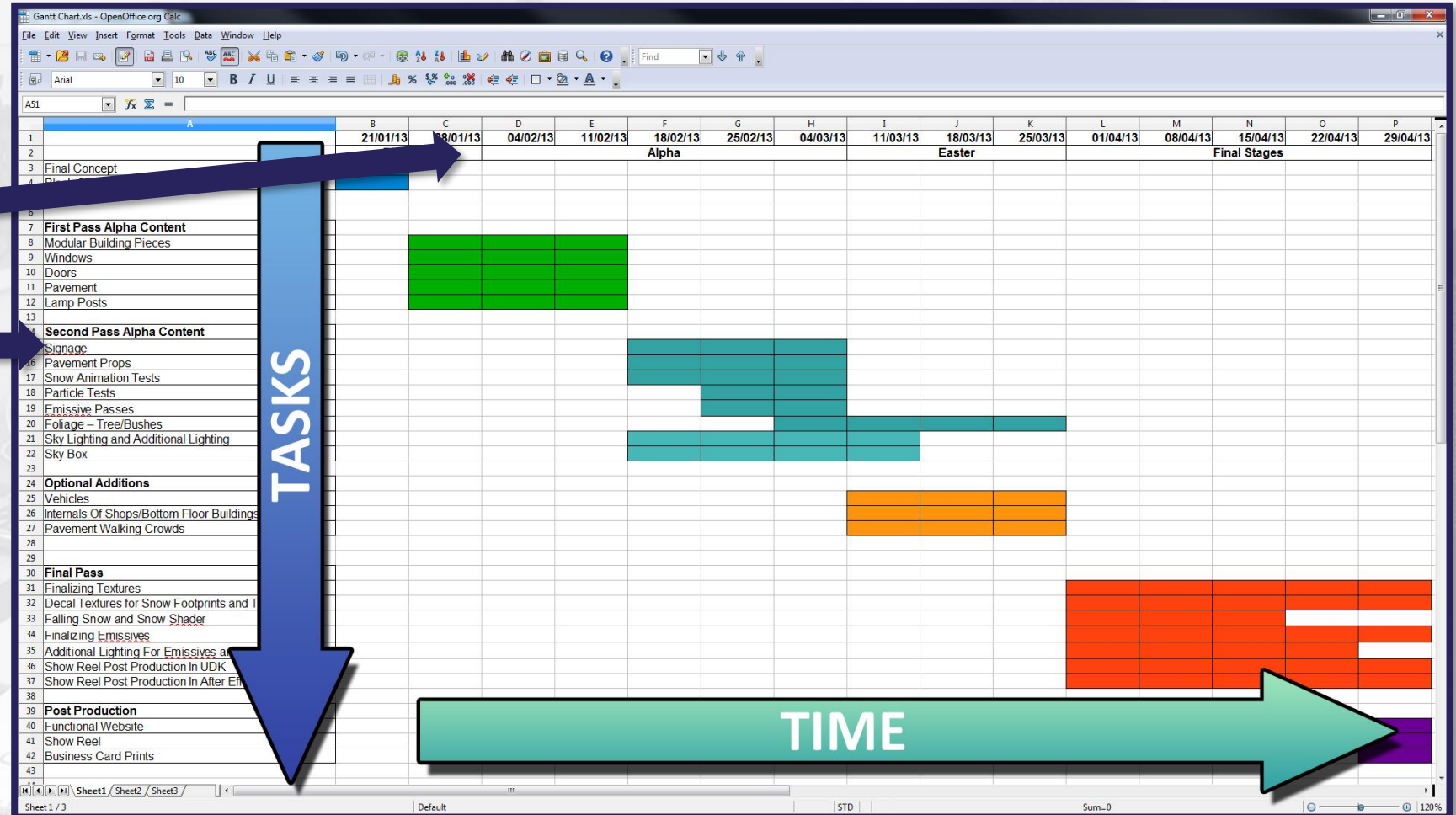
- Timeline





EXAMPLE:

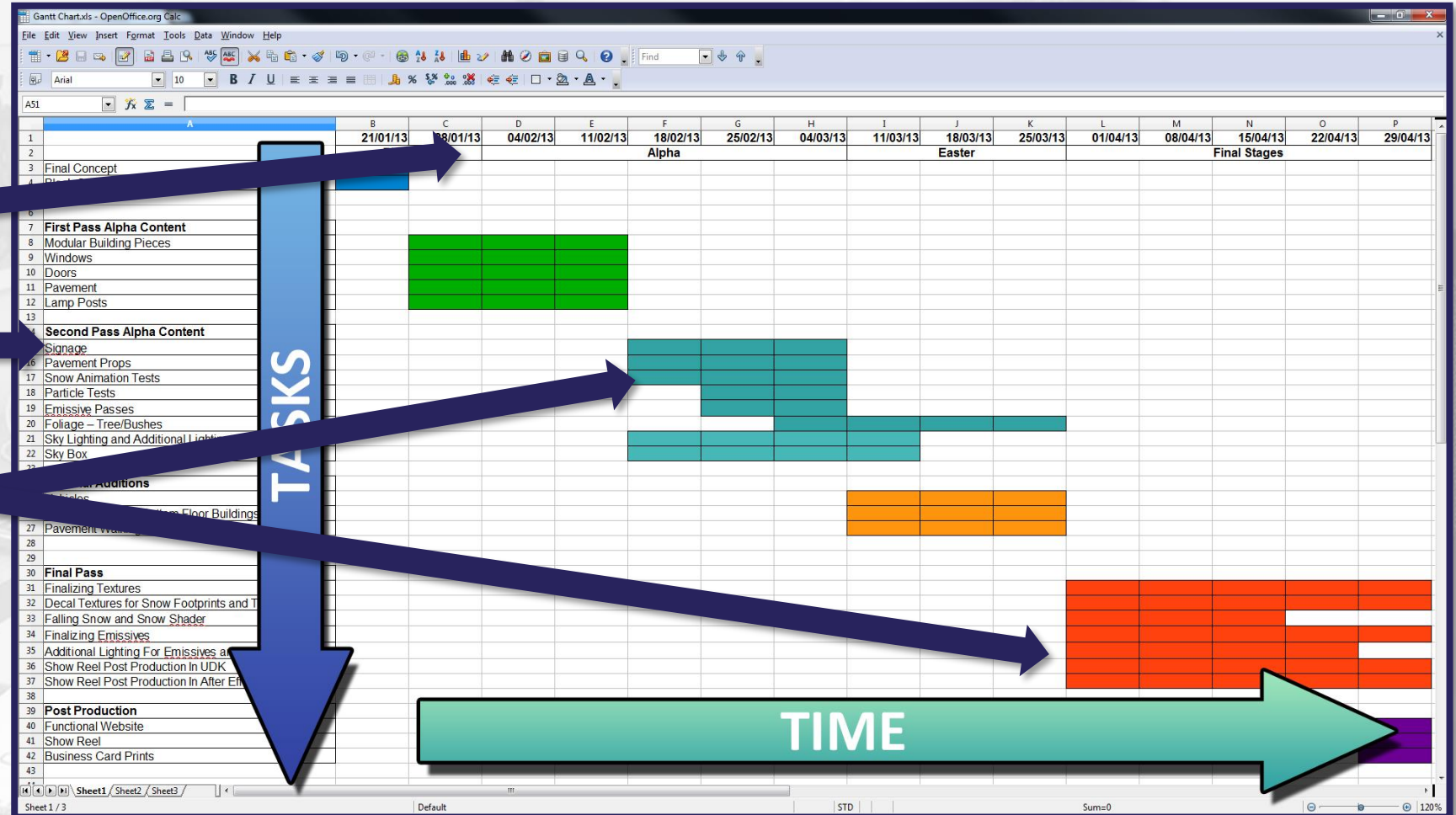
- Timeline
- Task List





EXAMPLE:

- Timeline
- Task List
- Blocks of time allocated to tasks



GANTT CHARTS

The **task list** on a Gantt chart should include **every job that needs to be completed** to enable successful completion of your project.

To help with organization it is wise to **arrange related tasks together**.

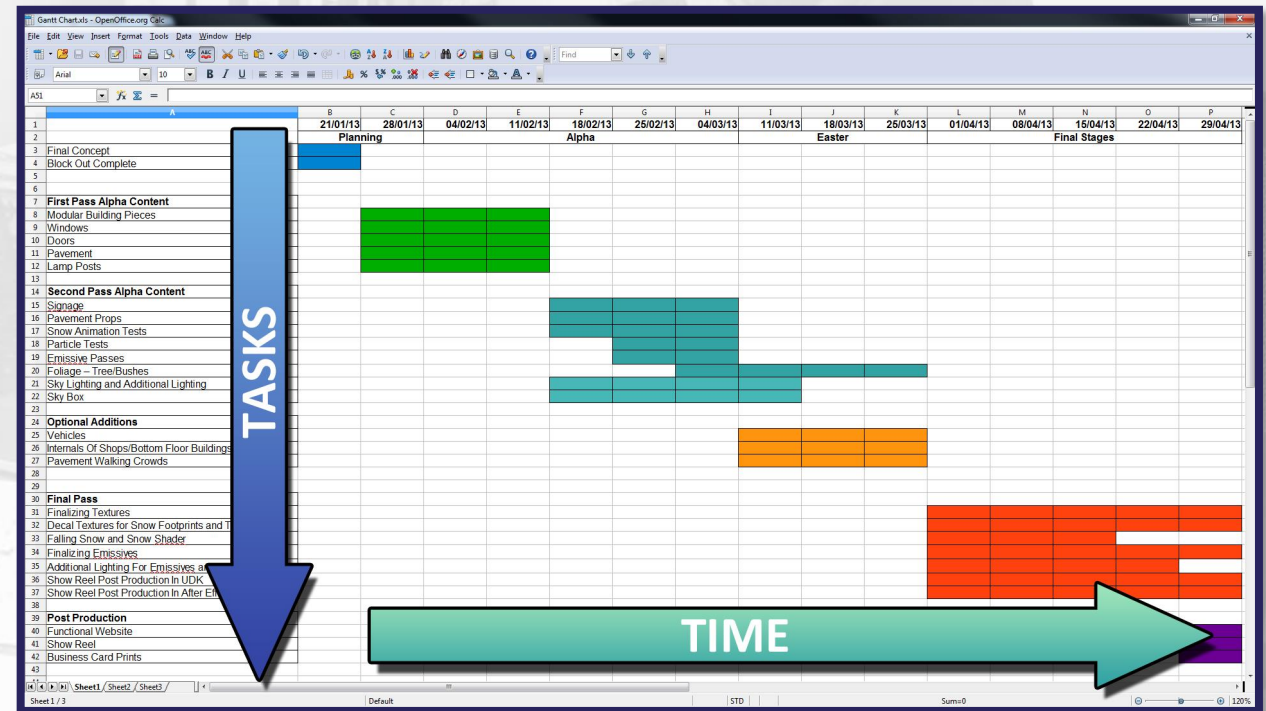
	October		
	5th	12th	19th
	Week 1	Week 2	Week 3
TASKS			
RESEARCH			
Photography – Swansea			
Photography – Cardiff			
Visit Oxford Steampunk Exhibition			
Research Existing Game Titles			
Research Arcade Racing Games			
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Research Victorian / Edwardian Era			
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GANTT CHARTS

Ideally each task **should lead on from one another**, starting from preproduction at the top to finished project at the end.

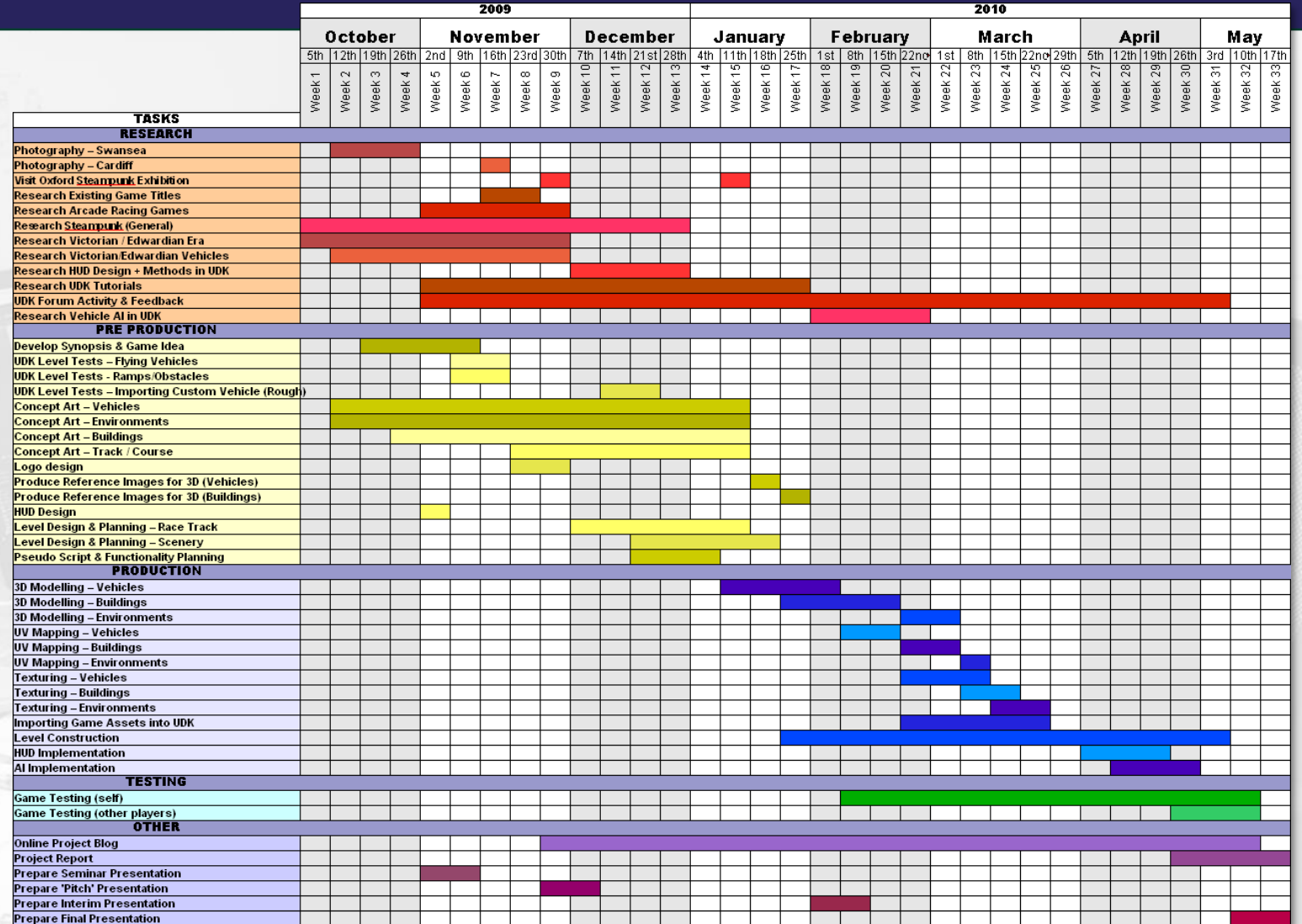
These tasks are usually **dependent** on completion of the previous one and this forms the 'cascading waterfall' element of Gantt charts.





GANTT CHARTS

(Full Gantt chart)

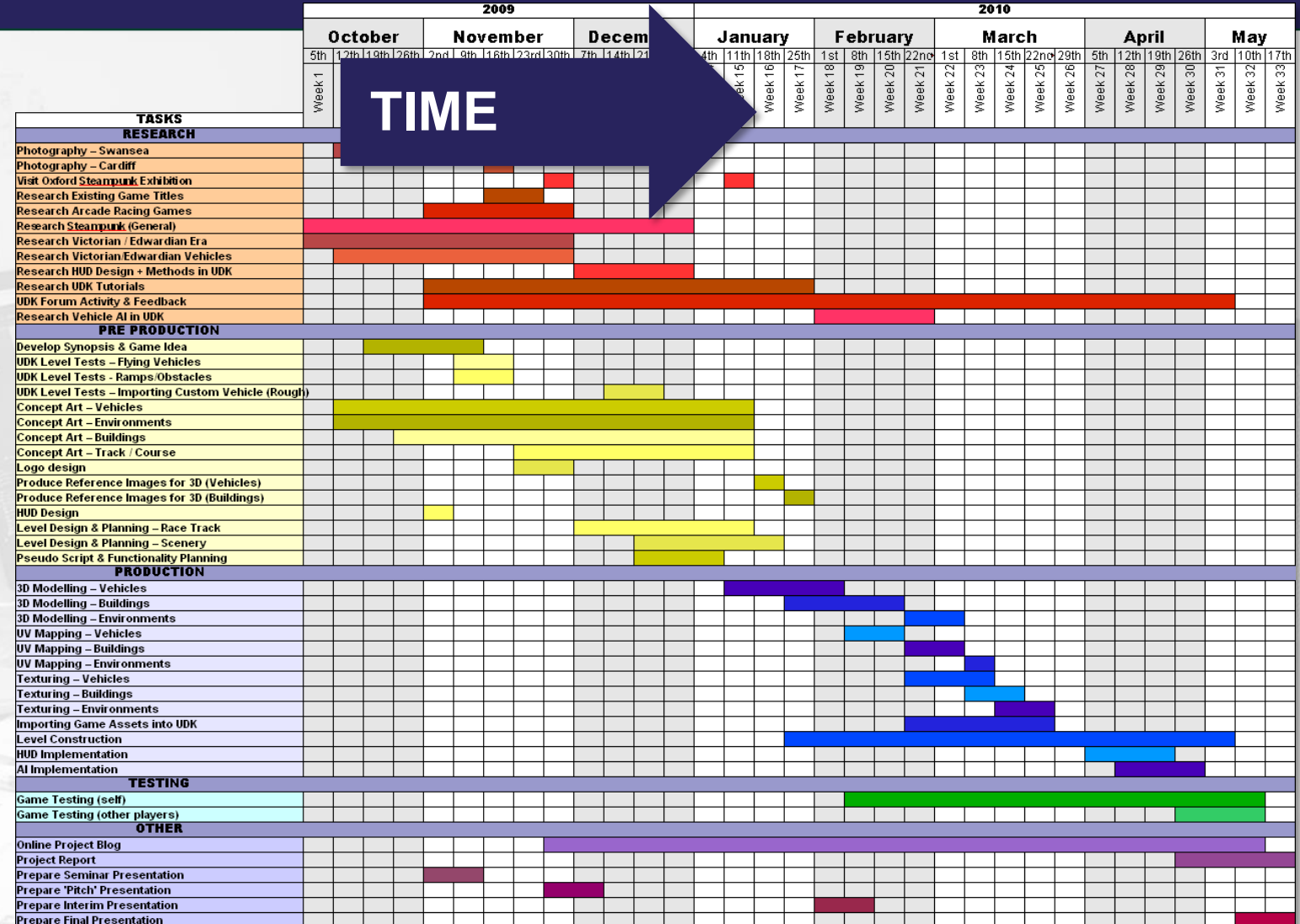




GANTT CHARTS

Gantt Chart from a Final Year Student Project

(Full Gantt chart)





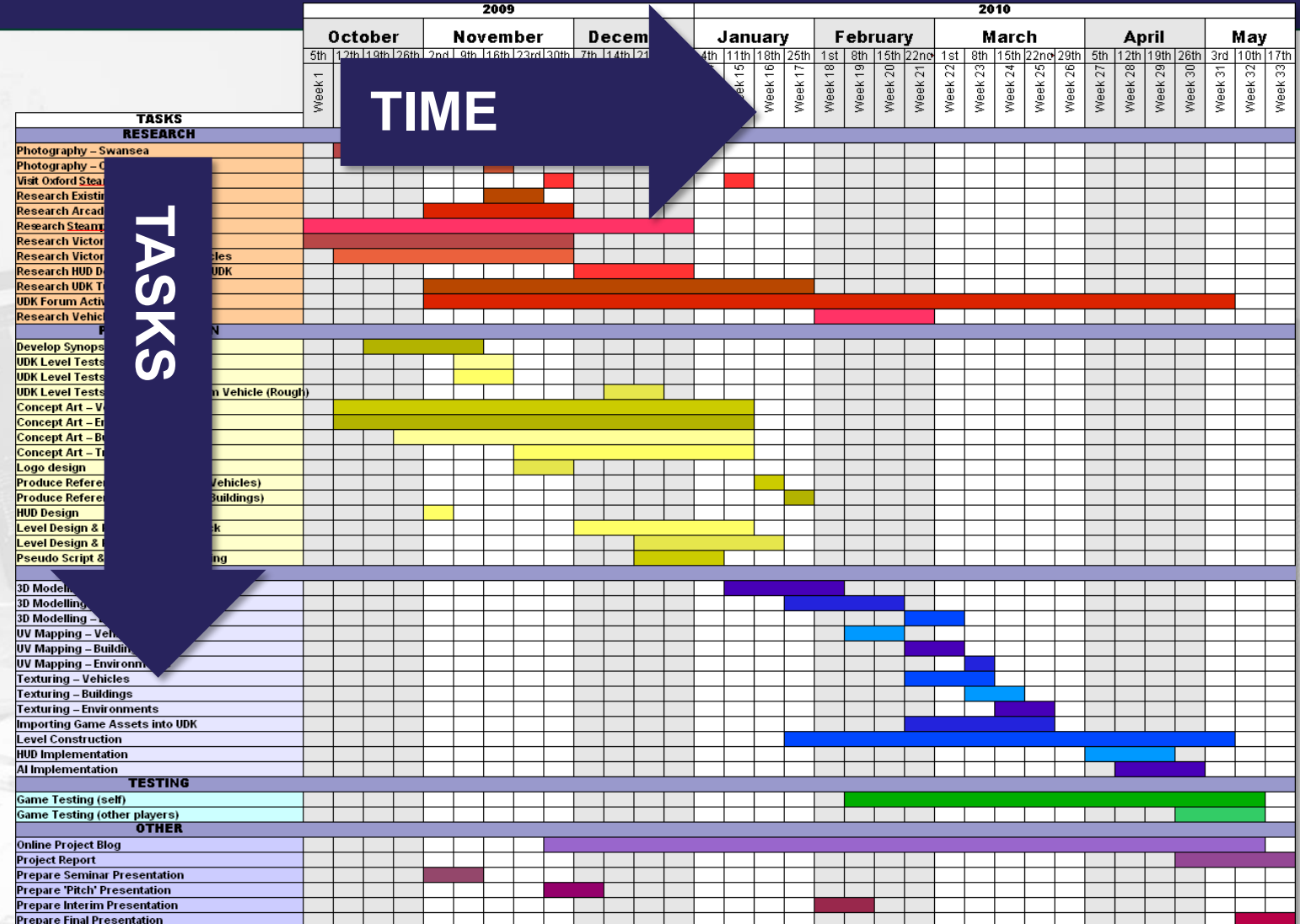
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GANTT CHARTS

Gantt Chart from a Final Year Student Project

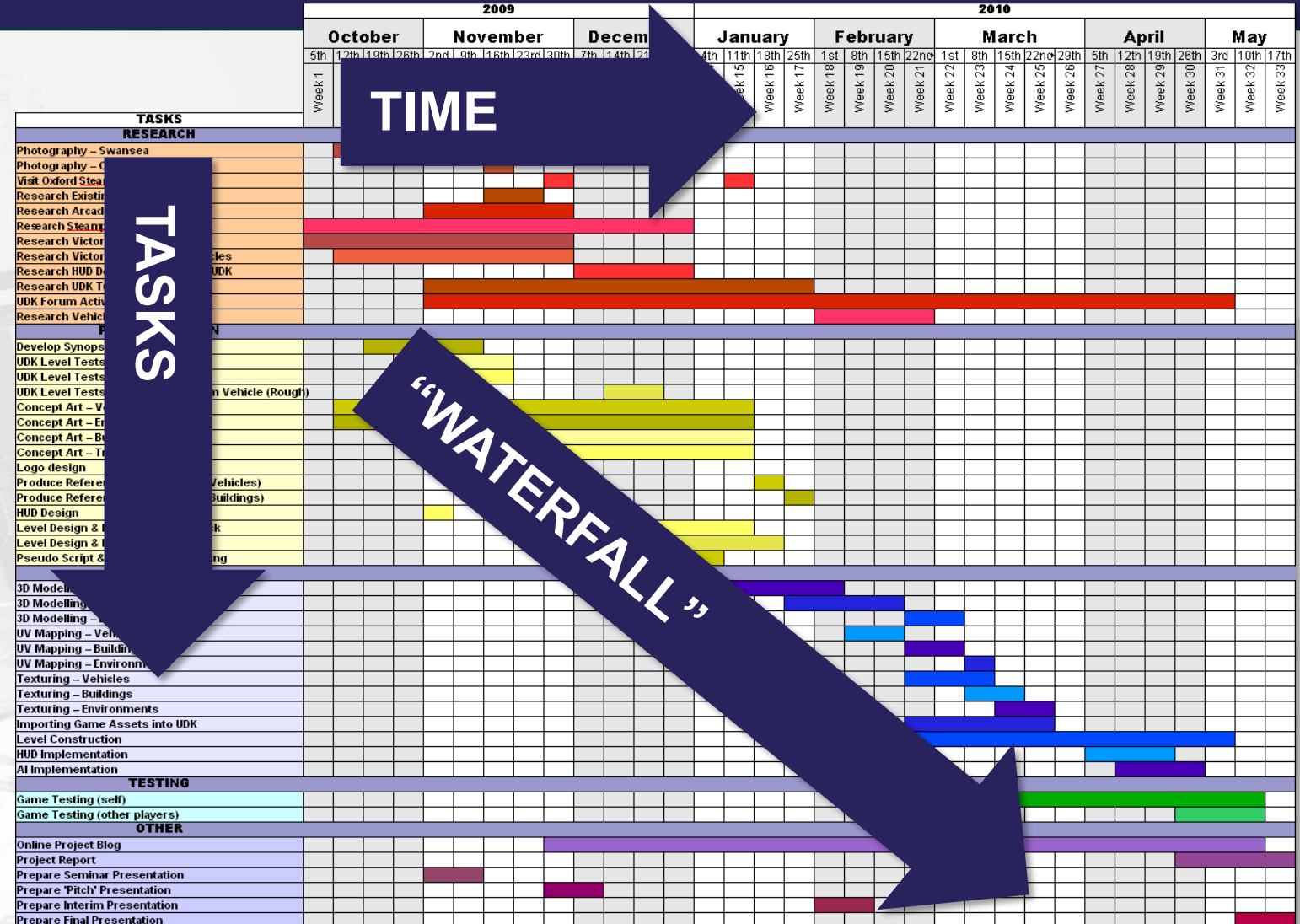
(Full Gantt chart)





GANTT CHARTS

(Full Gantt chart)





GANTT CHARTS

Gantt Chart from a Final
Year Student Project

(Task List example)

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GANTT CHARTS

You may find there are **far more tasks to do than initially anticipated** – this is normal and part of why this exercise is so important to do in the early stages of your project.

However, not all of the tasks you list may **be realistically achievable** in the timeframe available for your project.

You can discuss making amendments with your supervisor (often referred to as **adjusting the scope** of the project).

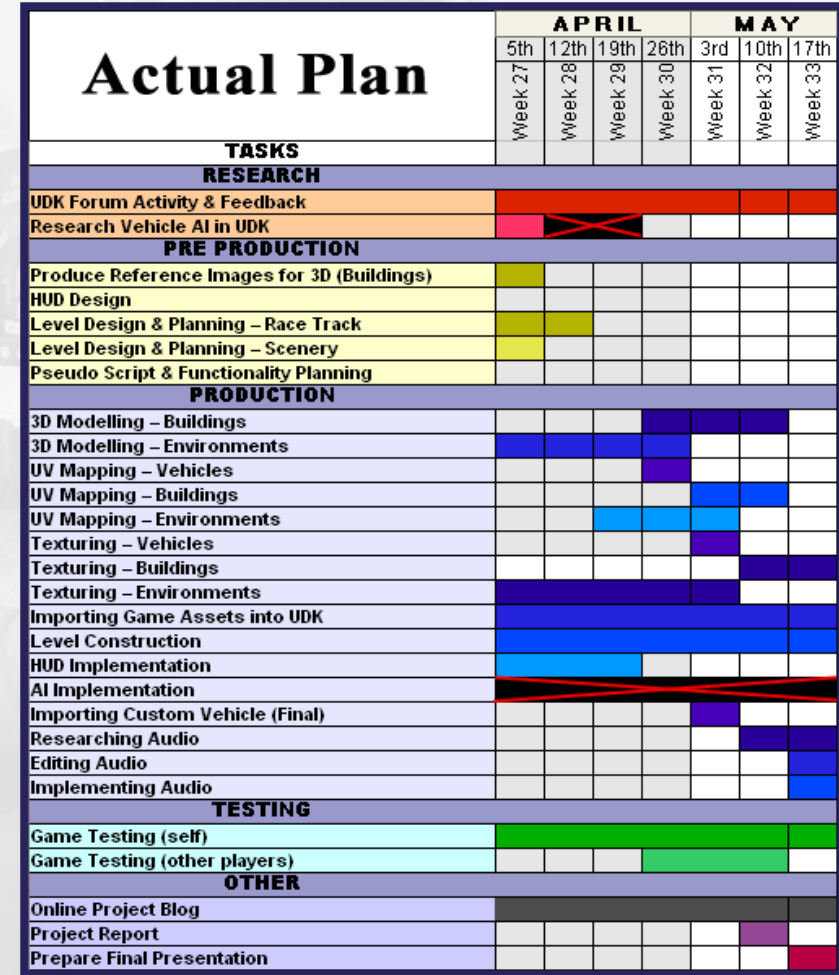
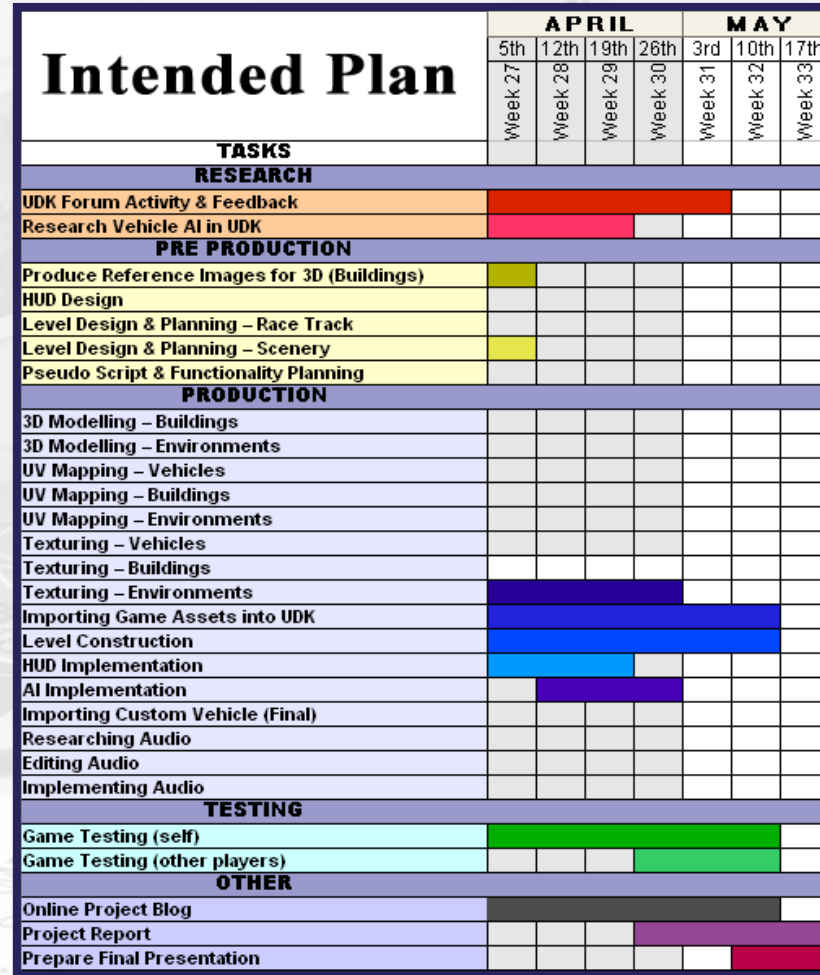
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GANTT CHARTS

Compromises may need to be made in order to deliver your project successfully.

Use your Gantt Chart to see how these decisions might affect your targets and workload.





GANTT CHARTS

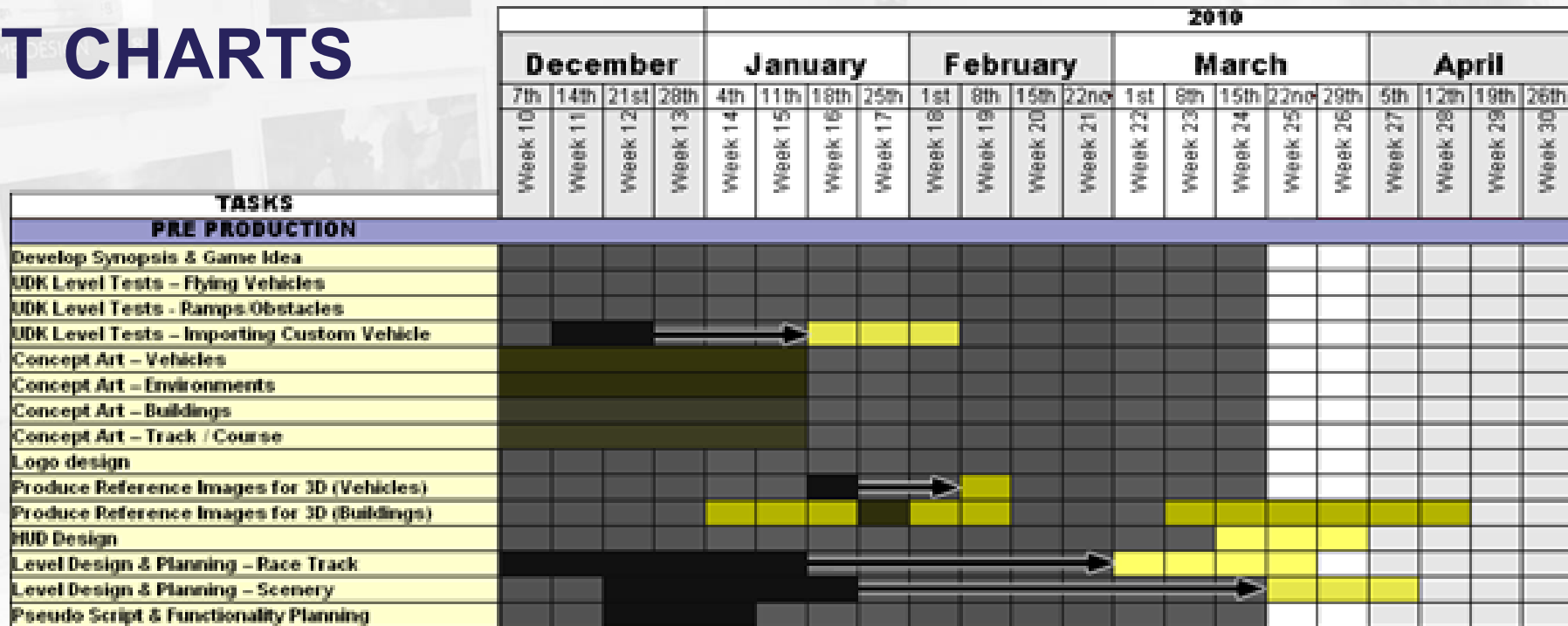
As the project progresses, you will have to **review the work completed to date** and compare reality to the timeframes that have been stated on your project's Gantt Chart.

The Gantt chart itself will have to be reviewed and modified throughout the duration of the project - some tasks will take longer or shorter periods of time to complete than expected.

This does help! Being able to get a quick overview of the project and how much time is left will assist you when prioritising tasks and **help you to complete the most important elements** of your practical work.



GANTT CHARTS



Unforeseen circumstances often arise during projects and have to be dealt with – no matter how undesirable or unexpected they may be!



GANTT CHARTS

The objective of using Gantt Charts is to **increase efficient project management and development.**

Reviewing your progress, your goals and adapting priorities or strategies where necessary is **far more important** than being stubborn and trying not to compromise – it is better to **be realistic and pursue achievable goals!**



GANTT CHARTS

The objective of using Gantt Charts is to **increase efficient project management and development.**

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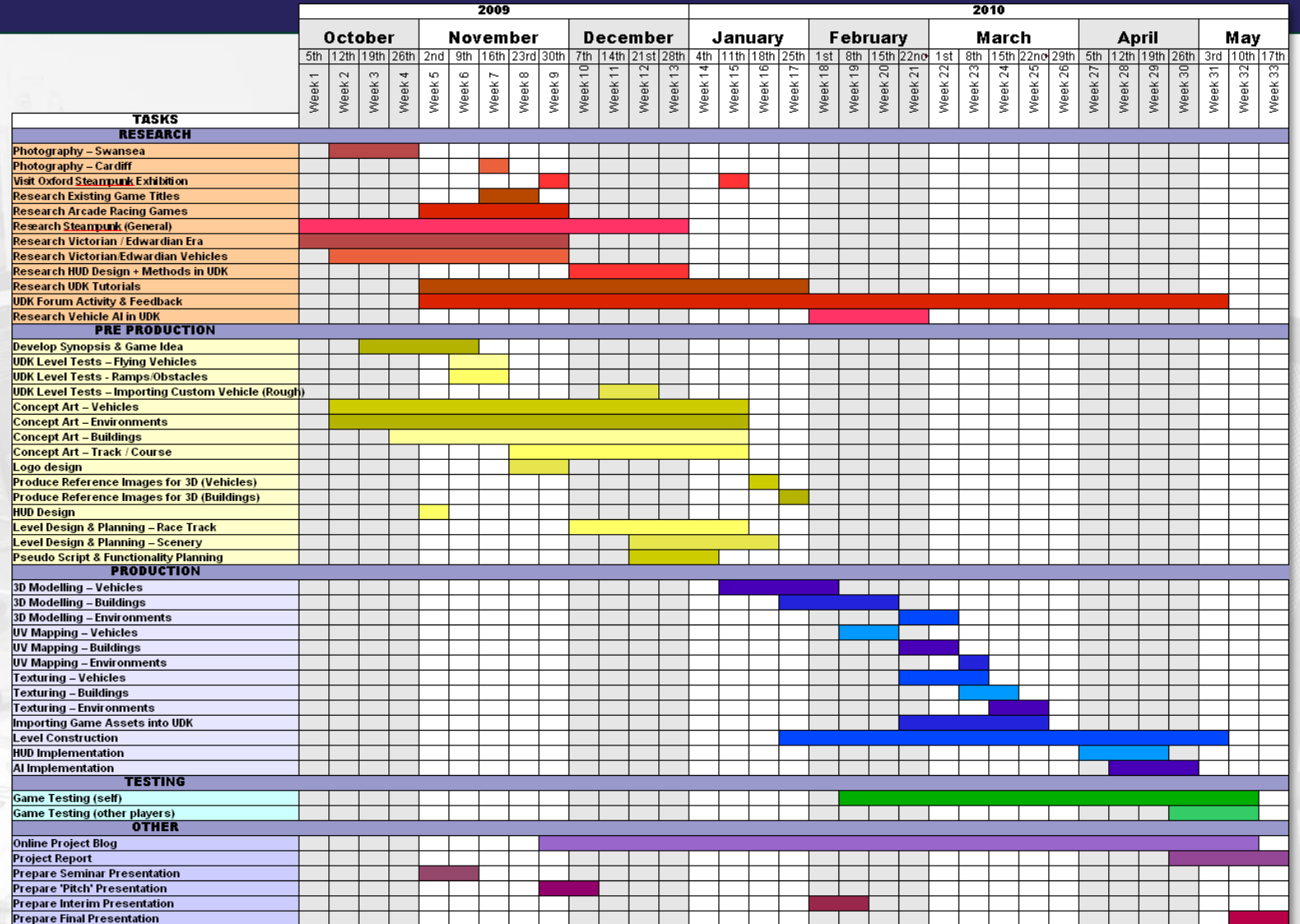
REMEMBER: Be wary of **dependencies and bottlenecks** that may arise from restructuring your project plan!



EXAMPLE:

Gantt Chart from a Final Year Student Project

(Project Proposal)

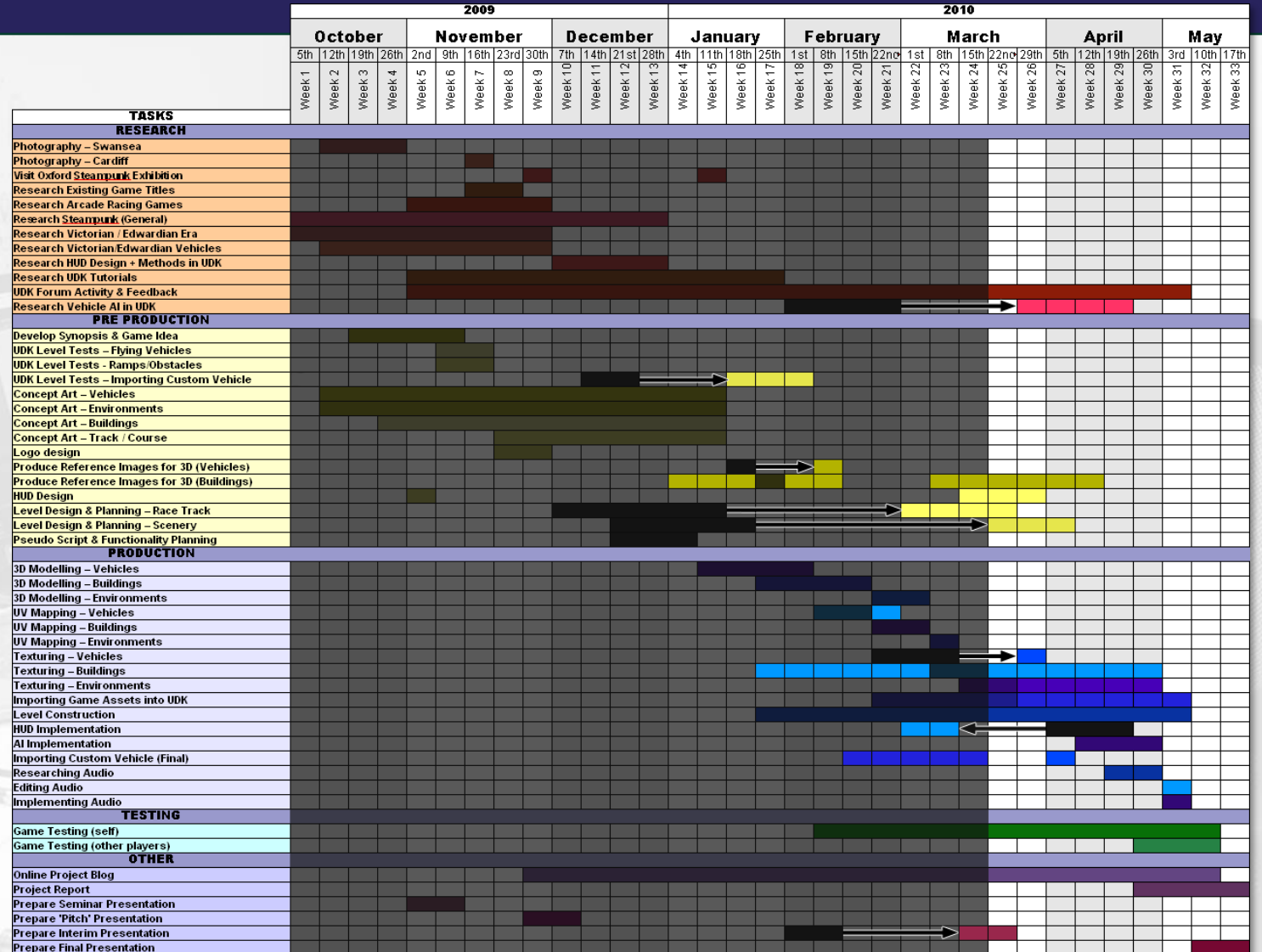




EXAMPLE:

Gantt Chart from a Final Year Student Project

(Late stage project review)





WHAT YOU NEED TO DO

Create a Gantt Chart for your project lasting **two semesters**. Each block should represent **days**, not **weeks**.

Include the following:

- **Specific tasks** on the left-hand side (broken down into **sub-sections** if necessary)
- Block out **time allocated for each task** (consider days, not weeks)
- Milestones, deadlines and meetings with supervisors



WHAT YOU NEED TO DO

Save the first version and **duplicate** the Gantt chart **when you make any changes**. This will allow you to compare your initial plan with any compromises you may make through the project.

This is also useful when considering what to cover when **analysing your general performance** or identifying **next steps** in your Viva presentations!



BIBLIOGRAPHY

- [1] Schultz, W. (n.d.) How to Plan a Game Development Project [online]
Available at:

<http://gameindustry.about.com/od/game-development/a/How-To-Plan-A-Game-Development-Project.htm>

[Accessed 27 Sep 2013]



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