**PHYS379 Group 3 Agenda**

**Date and Time: 14/03/2023 @ 15:00**  
**Location: Library A17 Study Space**

1. **Appointment of chair & secretary**

Willow is appointed chair and Sam is appointed secretary

1. **Report Progress**
   1. **References**

Ana is worried about the lack of references in the Shor’s algorithm section of the report, especially the cryptography and security sections. Discussed citations of equations in the period finding algorithm section. More will need to be listed to pass the plagiarism test. Sam will add these references this week

* 1. **Minutes**

Discussion of where to put the minutes from over the course of the project. For now, the idea is to put the minutes in the appendix of the report. Ana will be writing these up.

* 1. **Project 2 discussion**

Suggesting a larger focus on security in the report, as it was omitted beforehand due to concerns about page limits. The work that was done on security beforehand will now be added to the further work section of the conclusion. This will be handled by Sid.

1. **Week 20 Presentation**

Structure of presentation:

1. Simulation methods:

* Gates and how to model them - Sam
* Measurement – Sam
* Errors - Willow

1. Shor’s

* RSA – Sid
* Shor – Sam
* Results:
* Shor – Sam
* Error – Willow
* Classical – Sid

1. Grover – all Willow

* Grover and GAS
* ESI – Brief
* Tests for Error and searching range
* GPU Stuff

1. Conclusions

* Grover conclusion - Willow
* Shor and hardware conclusions – Sam
* Security (cryptosystems) - Sid

1. **Tasks for this week**

Finish report. Make slides. Second meeting on Friday for presentation.