# MEDS1001

Tasks:

1. What is medical sciences to you? (5%)
2. Chau chak museum virtual tour + report on something in the museum (5%)
3. 15% - COVID/GITHUB, etc.
   1. Get COVID data, analysis
   2. ? Scratch to produce a ‘wiki’ video
4. 15% - 3D gaming, AR, VR, etc. Unity
   1. 70 places for training
   2. Give them a room, put artefact in, etc.
   3. Group work approaches; sharing of specialisations and skills
5. Reflections (5%)

Framing:

* Solutions to wicked problems
  + Provide students with tools and language to think of these things
  + Evaluative judgement – judging your own work and others
  + Working together in interdisciplinary teams
* Exposure to career paths beyond medicine
* Supporting transition from HS learning -> uni learning mindset
  + Moving from acquiring knowledge and testing -> creation of knowledge
* Helping develop language to express content to others
* Helping to develop identities as medical scientists (feel they are medical scientists)
* Student artefact hosting, reflection and iteration
* Framework (preliminary) – engage, explore, explain, elaborate, evaluate
* Assessment of tasks
* Which media offers growth (lets us see our growth and improvements)
  + E.g. video, 3D (unity), programming, etc.
* Interviewing people from other professions (find 3 and talk to them)

**Engage : Task 1**

* Museum VR walkthrough
  + 5% group
  + 5% individual task – what is medical science

**Explore and Explain : Task 2**

* Data detectives
  + 15% individual
    - 5% draft/peer feedback
    - 10% report
* Elements of a scientific report
* Support for how to give feedback (students) “know how”

**Elaborate : Task 3**

* Exhibition
  + 15% Group

**Evaluate: Task 4**

* Reflection
  + 5%

**Tasks:**

**Groups: 90 minutes in class, 90 mins out of class**

* 2x lectures per week (+ workshops, pracs)
* Set up weekly expectations for teams – let them find their own mediums (not necessarily canvas)
  + Random assignment
  + Rotate group leaders every week/fortnight
* 100 students per remote group (1 tutor per group)
* Group sizes 6 per group (5-12 are good)
* Separate leaders and scribes

Making a decision as a group:

* Identify decision goal
* criteria for decisions – e.g. selecting artefact from the museum at a group level
* generate alternatives and rank against criteria
* come to consensus group work

Using a Kanban board to track

1. VR museum (EXPLORE)
   * 5% group task
     + Group decision – what artefact to choose?
     + Describe interdisciplinary relevance in medical sciences
   * 5% individual task
     + What does biomedical science mean to you?
2. Data detective (INVESTIGATE)
   * COVID-19 theme
3. Exhibition (REPORT)
4. Reflection (REFLECT)
   * What does biomedical science mean to you now? Has your perspectives changed
   * What have you learned about groupwork and teamwork?