**Year 8 AIL** **SCIENCE: CELLS**

***The Start – Cell Structure and function – Creating a “Model”***

Now that you have collected data on Cell organelles we are going to extend the learning and grow our new found knowledge by designing and creating a comparative “*Model*” in a display form of your choice.

We have a focus in 8AIL to complete work that can be described as “*Beautiful*”………not just “*Pretty*”.

The “*Pretty*” work has now been completed in the form of data collection (Green worksheet – Inside a Cell – Organelles) this task now requires you to go a little deeper and use the research gathered to truly display your understanding. (Growth Mindset) (ELLI – Meaning Making, Critical Curiosity)

In groups of no more than 3 design a “*Model*” that you can draw comparisons to from any other source you can think of. In our initial introduction to this unit of work you viewed a YouTube clip demonstrating comparisons to the amazing world of the Hunger Games. This was an example of what you could create.

As a team look at the individual Cell Organelles, think about their functions and draw comparisons to your chosen “Model”.

The organelle – Cell Wall is just like ………………………………………….

The organelle – Cell Membrane is just like………………………………..

Some suggested “Models” – a theme park, a city/town/community, a story or novel, a TV show, sporting club, sporting team, family, friendship group etc…………………………………………….

Some examples you may choose to view to fuel some ideas:

<https://youtu.be/Ehk4qWWaI9E>

<https://youtu.be/Xo9L2FB7aDo>

<https://youtu.be/kCnwdtUDyuA>

<https://youtu.be/vTa3xyC5X24>

<https://youtu.be/5L9-HU-2j0A>

<https://youtu.be/gT-yNKL5_E0>

<https://youtu.be/EG93y0QpHso>

**Checkpoint Meeting with 8AIL staff member**

Once your team has gathered the data and designed a comparative “Model”. You are to present your ideas to a member of the 8AIL Staff. This process must be done before your group starts the process of creating your display product.

You must have an idea or a number of ideas to how you are going to create your “Model” Product to present at this meeting.

Once you have had this meeting and received feedback from staff you will be awarded a “License to Build”.

Your team must now create a visual product that describes the function of all the Cell Organelles and explains the linked comparison to your chosen “Model”. (ELLI – Creativity, Learning Relationships, Resilience)

**Model possibilities**:

A cartoon (drawn or computer generated), A physical Model (similar to Smart Traveller landforms), IT display formats (Powerpoint, Prezi, Publisher), Paintings/drawings, Video, Computer game…………………….

**AS ALWAYS - DON’T FORGET TO FOLLOW THE ASSESSMENT RUBRIC**. For this assessment piece you all will be working with AIL staff in the development of this rubric!