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| **Teacher(s)** | **Ms. Fish** | **Subject group and discipline** | **Science** | | |
| **Unit title** | **Atomic Structure: Let’s Get Atomic** | **MYP year** | **1** | **Unit duration (hrs)** | **15** |

##### Inquiry: Establishing the purpose of the unit

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| **Key concept** | **Related concept(s)** | **Global context** |
| **Change** | **Form**  **Energy** | **Identities and Relationships**  **Exploration:** |
| **Statement of inquiry** | | |
| **Energy can change the form of atoms and more complex structures**  **When energy is introduced to a system, the atoms in that system can change their form from solid, to liquid, to gas.** | | |
| **Inquiry questions** | | |
| Factual**—** **What is an atom? What is a molecule? What are the component parts of atoms?  What is an element?**  Conceptual**— What is the structure of an atom?  What can we learn about an element from reading the periodic table?**  Debatable**— How are atoms and molecules different?  How does an atom’s structure contribute to its place on the periodic tabled?** | | |
| **ATL Skills:**  In order to **outline scientific knowledge**, the student must **use active listening techniques to** **understand others** (communication, communication skills) and will use **deductive and inductive reasoning, as appropriate** (thinking, critical thinking.) | | |