­ **S1 Science: how well is your learning progressing?**

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| **Key area 2: The Universe formation.** | **I can do this.** | **I need to go over this.** | **I don’t know this.** | **Level** |
| I can describe what the term "big bang theory" means |  |  |  | **3** |
| I can describe a piece of evidence to support the big bang. |  |  |  | **3** |
| I can identify hydrogen by carrying out an experiment. |  |  |  | **2** |
| I can state the age of the universe and, through calculation, work out the when the major events in the universe took place. |  |  |  | **3** |
| I can classify substances as solids, liquids or gases. |  |  |  | **3** |
| I can use particle diagrams to show particle arrangements in solids, liquids and gases. |  |  |  | **3** |
| I can plan an experiment to show the three phases of water. |  |  |  | **3** |
| I can describe the temperature when solid turns to liquid as the melting point. |  |  |  | **3** |
| I can describe the temperature when liquid turns to gas as boiling point. |  |  |  | **3** |
| I can describe that the melting point and freezing point are at the same temperature for a substance. |  |  |  | **3** |
| I can state what the solar system consists off. |  |  |  | **2** |
| I can state the names of the planets and the order they appear. |  |  |  | **2** |
| I can carry out research on a planet to learn about it in more detail. |  |  |  | **3** |
| I can appreciate the scale of the solar system. |  |  |  | **3** |
| I can tell the difference between a star and planet in the sky. |  |  |  | **2** |
| I can appreciate how our knowledge of the solar system and universe has changed. |  |  |  | **3** |
| I can describe some of the barriers to early astronomy. |  |  |  | **3** |