**Science: Connections to consumer and financial literacy – Years F-6**

| **Dimensions of consumer and financial literacy** | **Sub-strand** | **Foundation** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
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| **Knowledge and understanding** | **Biological sciences** | Living things have basic needs, including food and water (ACSSU002) |  |  |  | Living things depend on each other and the environment to survive (ACSSU073) |  |  |
| **Use and influence of science** |  | People use science in their daily lives, including when caring for their environment and living things (ACSHE022) | People use science in their daily lives, including when caring for their environment and living things (ACSHE035) | Science knowledge helps people to understand the effect of their actions (ACSHE051)  | Science knowledge helps people to understand the effect of their actions (ACSHE062) | Scientific knowledge is used to solve problems and inform personal and community decisions (ACSHE083)  | Scientific knowledge is used to solve problems and inform personal and community decisions [(ACSHE100)](http://www.australiancurriculum.edu.au/curriculum/contentdescription/ACSHE100) |
| **Competencies and skills** | **Processing and analysing data and information** | Engage in discussions about observations and represent ideas (ACSIS233) | Use a range of methods to sort information, including drawings and provided tables through discussion, compare observations with predictions (ACSIS027)  | Use a range of methods to sort information, including drawings and provided tables through discussion, compare observations with predictions (ACSIS040) | Use a range of methods including tables and simple column graphs to represent data and to identify patterns and trends (ACSIS057)  | Use a range of methods including tables and simple column graphs to represent data and to identify patterns and trends (ACSIS068) | Construct and use a range of representations, including tables and graphs, to represent and describe observations, patterns or relationships in data using digital technologies as appropriate (ACSIS090)  | Construct and use a range of representations, including tables and graphs, to represent and describe observations, patterns or relationships in data using digital technologies as appropriate (ACSIS107) |
|  |  |  | Compare results with predictions, suggesting possible reasons for findings (ACSIS215)  | Compare results with predictions, suggesting possible reasons for findings (ACSIS216) | Compare data with predictions and use as evidence in developing explanations (ACSIS218)  | Compare data with predictions and use as evidence in developing explanations (ACSIS221) |
| **Competencies and skills** | **Evaluating** |  | Compare observations with those of others (ACSIS213)  | Compare observations with those of others (ACSIS041) | Reflect on investigations, including whether a test was fair or not (ACSIS058)  | Reflect on investigations, including whether a test was fair or not (ACSIS069) | Reflect on and suggest improvements to scientific investigations (ACSIS091)  | Reflect on and suggest improvements to scientific investigations (ACSIS108) |
| **Communicating** | Share observations and ideas (ACSIS012) | Represent and communicate observations and ideas in a variety of ways (ACSIS029)  | Represent and communicate observations and ideas in a variety of ways (ACSIS042) | Represent and communicate observations, ideas and findings using formal and informal representations (ACSIS060)  | Represent and communicate observations, ideas and findings using formal and informal representations (ACSIS071) | Communicate ideas, explanations and processes using scientific representations in a variety of ways, including multi-modal texts (ACSIS093)  | Communicate ideas, explanations and processes using scientific representations in a variety of ways, including multi-modal texts (ACSIS110) |
| **Responsibility and enterprise** | **Questioning and predicting** | Pose and respond to questions about familiar objects and events (ACSIS014) | Pose and respond to questions, and make predictions about familiar objects and events (ACSIS024)  | Pose and respond to questions, and make predictions about familiar objects and events (ACSIS037) | With guidance, identify questions in familiar contexts that can be investigated scientifically and make predictions based on prior knowledge (ACSIS053)  | With guidance, identify questions in familiar contexts that can be investigated scientifically and make predictions based on prior knowledge (ACSIS064) | With guidance, pose clarifying questions and make predictions about scientific investigations (ACSIS231)  | With guidance, pose clarifying questions and make predictions about scientific investigations (ACSIS232) |
| **Planning and conducting** | Participate in guided investigations and make observations using the senses (ACSIS011) | Participate in guided investigations to explore and answer questions (ACSIS025)  | Participate in guided investigations to explore and answer questions (ACSIS038) | With guidance, plan and conduct scientific investigations to find answers to questions, considering the safe use of appropriate materials and equipment (ACSIS054)  | With guidance, plan and conduct scientific investigations to find answers to questions, considering the safe use of appropriate materials and equipment (ACSIS065) | Identify, plan and apply the elements of scientific investigations to answer questions and solve problems using equipment and materials safely and identifying potential risks (ACSIS086)  | Identify, plan and apply the elements of scientific investigations to answer questions and solve problems using equipment and materials safely and identifying potential risks (ACSIS103) |
| **Responsibility and enterprise** | **Planning and conducting** |  | Use informal measurements to collect and record observations, using digital technologies as appropriate (ACSIS026)  | Use informal measurements to collect and record observations, using digital technologies as appropriate (ACSIS039) | Consider the elements of fair tests and use formal measurements and digital technologies as appropriate, to make and record observations accurately (ACSIS055)  | Consider the elements of fair tests and use formal measurements and digital technologies as appropriate, to make and record observations accurately (ACSIS066) | Decide variables to be changed and measured in fair tests, and observe measure and record data with accuracy using digital technologies as appropriate (ACSIS087)  | Decide variables to be changed and measured in fair tests, and observe measure and record data with accuracy using digital technologies as appropriate (ACSIS104) |