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| **SEASON** | **4** | **EPISODE** | **6** |
| **TITLE** | **Possum sees his shadow!** | | |
| **EPISODE THEMES** | - Shadows  - Sun as a time marker: sundial  - Measurement: distance (long, short), time (o’clock) | | |
| **EPISODE BLURB** | Has the Sun slept in? Sally explains the way that shadows change as the Earth moves and the Sun appears to change position through the day and they set up an experiment to find out more. | | |
| **STORY SUMMARY** | Possum wakes to notice that the sun is in a different position to yesterday. He is then frightened by something that seems to be copying him. He runs inside and brings Sally out to show her. Sally laughs and explains that it is his shadow that is being projected. Possum is puzzled why some shadows are long and some shadows are short. Sally and Possum investigate to find out why. Using Possum’s letterbox post, they mark the position and length of the shadows that are cast throughout the day. Sally explains that the outlines formed by shadows are called silhouettes. They watch children making silhouette art. Sally notices that what they have made is similar to a sundial, a form of ‘clock’ to tell the time of day. | | |
| **ACTIVITY** | * Tracking the position and length of the shadows cast by the sun * Investigating the length of a shadow in relation to the position of the light source (torch and sun) | | |
| **VIGNETTES** | Children making silhouette art | | |
| **FINGERSPELLING** | L-O-N-G, S-H-O-R-T | | |
| **CURRICULUM GUIDE\*** | **EARLY YEARS LEARNING FRAMEWORK** | | |
| **Children are confident and involved learners**   * Children develop a range of skills and processes such as problem solving, inquiry, experimentation, hypothesising, researching and investigating | | |
| **QUEENSLAND KINDERGARTEN LEARNING GUIDELINE** | | |
| **Active Learning**   * Showing confidence and involvement in learning | | |
| **AUSTRALIAN CURRICULUM** | | |
| **Science - Science understanding**   * Earth and space sciences   **Mathematics** - **Measurement and Geometry**   * Using units of measurement | | |