

PROFESSIONAL DEVELOPMENT TRANSLATES TO CLASSROOM WINS!



Mrs Twine from 3/4 McCabe has been working with Dr Bree on creating access to the Engineering Habits of Mind and the Engineering Design Process as a means of thinking, planning, problem solving and evaluating.

Many students are benefitting from this work. One recent example is progress made by Noah and Lucas. Previously, when they made mistakes or found problems, they would stop, wait for prompting and look disappointed.

Noah and Lucas are now aware of the Engineering Habit of Mind of 'Persisting and Learning from Failure' which Mrs Twine reworded to 'I try and try again'.

While creating a solar oven, Noah and Lucas had taped down the lids on their models so were unable to open them to place the thermal conductor inside. Noah acknowledged the failure, but showed persistence by stating "It's ok Lucas we need to try and try again". Lucas evaluated the problem and replied "We stuck the lid down with the tape". They looked at each other for a moment and Lucas stated "We need scissors to cut the tape". Noah replied "Oh yeah!", ran off to get the scissors and began cutting the tape so they could open their solar oven. A perfect example of how participating in the Engineering Design Process is encouraging persistence, problem solving and consequently, independence.