2016 MOUNT PLEASANT PRIMARY SCHOOL SCIENCE OPERATIONAL PLAN

IMPROVEMENT TARGETS

Establish a baseline using ACER testing in Years 4 to 6

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<th>STRATEGIES</th>
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<th>MONITORING/ 2016 MILESTONES</th>
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| K-6 Curriculum Leader to continue to support teachers to develop student skills, knowledge and understandings in Science. The role of the Science Curriculum Leader will include:  
  • development of resources, including resources to support the implementation of the Australian Curriculum; and  
  • delivery of professional learning, including professional learning to support the implementation of the Australian Curriculum as needed; and  
  • management of the Science Cost Centre. | Principal  
  Science Curriculum Leader | Science Connect Community  
  Science Curriculum Leader to be provided with time as needed | Science Curriculum Leader reports to all staff each term in relation to the implementation of the Science Operational Plan |
| Provide time for the Science Curriculum Leader to collaborate with primary and secondary leaders from across the Applecross Network to support the implementation of the Australian Curriculum. Network to seek support as required from Statewide Services. | Principal  
  Science Curriculum Leader | 2 days teacher relief (TR) @ $520 per day = $1 040 for the Science Curriculum Leader to collaboratively plan | Science Curriculum Leader shares expertise with leaders from across the Applecross Network each term |
| Science Curriculum Leader to be provided with opportunities to attend Australian Curriculum professional development, including training offered through the Institute and professional learning as advertised in IPL section of DET website. | Principal | | Science Curriculum Leader attends professional development and shares information with staff. WAMSE Investigate BrightPath Science |
| Promote Science Week as a whole school rotation of activities  
  15-23 August 2015 Making Waves – the Science of Light  
  13-21 August 2016 Drones, Droids and Robots  
  12-20 August 2017 | Science Curriculum Leader  
  Teachers | Resources for robots  
  Consumable resources for activities  
  Sample activities to be distributed | Survey that indicates that staff engage in effective Australian Curriculum professional development |
| Support implementation of the Australian Curriculum through the delivery of professional development to staff. Professional development to utilise resources available on the Department’s Curriculum Support website with a particular focus on Primary Connections. | Science Curriculum Leader | Australian Curriculum  
  Primary Connections  
  School Development Days  
  Phase meetings | |
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| Build the capacity of teachers through modelling of key instructional strategies, mentoring and coaching. The Science Curriculum Leader will assist colleagues to:  
  - implement the school’s whole-school approach to learning and teaching Science aligned to Primary Connections; and  
  - effectively translate assessment information into focused, differentiated instruction. | Science Curriculum Leader Teachers | Science Curriculum Leader to be provided with time as needed for mentoring and coaching support | Evidence that science lessons are being conducted in classrooms. |
| Kindergarten teachers to lay the groundwork for the Australian Curriculum and the delivery of the Primary Connections units through intentional teaching of content based on the Curtin University resource Planting the Seeds of Science. | Kindergarten teachers | MPPS Science Connect Community has plans suitable for kindergarten with literature based motivation for the units | Content in Kindergarten is aligned to Planting the Seeds of Science and portal resources. |
| Science Curriculum Leader to devise, in consultation with the Science Committee, a Kindergarten to Year 6 plan to systematically teach the content of the Australian Curriculum (science understanding, science inquiry skills, and science as a human endeavor) using the revised Primary Connections resources. Whole-school plan to articulate the content to be taught each term in: Biological Sciences; Chemical Sciences; Earth and Space Sciences; and Physical Sciences. Plan to consider multi-age classes. | Science Curriculum Leader Science Consultant | K-6 Science implementation plan Primary Connections resources Planting the Seeds of Science resource | Evidence of delivery of science curriculum in classrooms |
| Teachers to improve the accuracy of student reporting data by: collecting valid and reliable assessment information over time across a range of contexts. | Principal Teachers | Primary Connections Rubrics (available in connect library) Reporting exemplars ACER Science Testing 4-6 | Evidence of classroom assessment. |
| Continue to purchase resources to support implementation of Primary Connections. An Education Assistant to be employed to complete purchasing and resource collation into kits. Purchase digital resources as they are released. | Science Curriculum Leader | Salary - $1100 Resource purchase – $1 000 | Evidence-based resources aligned to school planning are purchased |
| Continue to develop relationships with outside agencies e.g. CSIRO Scientists in School Programme and Earth and Space Sciences Western Australian (ESSWA) | Science Curriculum Leader Science Committee | | Evidence of partnerships. |