



Masterclass: Supporting leaders in their first years of leading

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The Mathematical Association of Victoria

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Overview

- Know yourself and role as a leader
- Ideas of where to start
- Tools for building success



Warm up



The Product Game

1	2	3	4	5	6
7	8	9	10	12	14
15	16	18	20	21	24
25	27	28	30	32	35
36	40	42	45	48	49
54	56	63	64	72	81

Factors:

	1	2	3	4	5	6	7	8	9
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COMPLEXITY



© Behaviour Gap

Knowing your role



What is the leadership structure at your school? What is the leadership structure at your school? What ere the gaps?	What is your role?	How do you hope to have an impact?	What are your strengths?
What is the leadership structure at your school?			
	What is the leadership structure at your school? Who can you go to for help or edvice?	How much time do you have for each part of your role?	What are the gaps?



Where to start Deliberate practice





Types of practice



- Instructional model
- Pedagogy
- Content knowledge
- Designing learning experiences
- Planning
- Coaching
- Learning walks / Peer observation

Instructional model



- A lesson structure maps teaching and learning that occurs in class.
 Sound lesson structures reinforce routines, scaffold learning via specific steps/activities.
- They optimise time on task and classroom climate by using smooth transitions.
- Planned sequencing of teaching and learning activities stimulates and maintains engagement by linking lesson and unit learning.

It should be underpinned by a cohesive pedagogical approach

(Hattie HITS)

Instructional model @ SANPS



Warm up

SANPS Instructional Model Maths

At St Albans North Primary School a gree based on an hour session beginning with minutes).

Warm up

A warm up is short sharp activity designi lesson. It may link to the focus of the day understandings.

During this time we will see; Students

- · Actively participating
- Enjoying themselves.
- · Activating their brains
- Activating prior maths kno

Teachers

- · Displaying enthusiasm and
- Sometimes participating in
- Building students' confider
- Supporting deeper thinking
- Using a range of strategies

Student language I will turn my brain on by enthusiastically



Pedagogy



- Pedagogy is an encompassing term concerned with what a teacher does to influence learning in others.
- The pedagogy adopted by teachers shapes their actions, judgments, and other teaching strategies by taking into consideration theories of learning, understandings of students and their needs, and the backgrounds and interests of individual students.

What is good maths pedagogy



For students to become powerful mathematical thinkers, it is desirable that their teachers possess beliefs that support the development of problem-centered, learner oriented classroom environments. (Cross)

Adopting new pedagogy @ SANP THE MATHEMATICAL ASSOCIATION OF VICTORIA



Content knowledge





Maths content knowledge required

- curriculum
- developmental learning sequences
- research of how students learn

Designing learning experiences



Rich tasks

- invites students to make decisions
- allows for a range of responses

What is the purpose of the task?

Problem solving

- students do not know the solution
- Students apply their knowledge in new ways

Worked example

 a teacher demonstration of task

Challenging task

- students complete prior to instruction
- develops students connections and reasoning

Explicit teach

 directing students learning towards a goal or path

Challenging task example



Brax and the Chocolate Factory

At the chocolate factory, you can choose from 3 different types of chocolate:







*white

And then add 1 of the following flavours:





*strawbern

*cola

What type of chocolate would you make?

What other types can you also design?

Brax and the Chocolate Factory

At the end of the tour, each child was able to design their own chocolate bar.

They could choose from 3 different types of chocolate:

*white *milk *dark.

They then added in 1 of the following flavours:

*strawberry *cola *Vegemite *wasabi.

How many different types of chocolate bars ca

More chocolate

The owners of the chocolate factory have decided to make things more fun.

You still need to pick just 1 type of chocolate but you can now include either 1 OR 2 different types of flavour/s.

How many different types of chocolate bars can be made now?

Coaching



• Great coaches work with teachers to improve practice and enhance student outcomes. However, learning to coach is a skill of its own. By building your coaching skills, you'll be able to provide valuable assistance to your colleagues, as well as reflect and improve on your own practice.



Coaching @ SANPS



Lesson Observation

Teacher: Lesson focu

Date

Laurch

What strategies were used to engage the students at the launch?

Explore

How were students actively exploring? How were individuals learning needs catered?

Summary

How did the summary reflect the learning intention? What strategies were used.

NUMERACY CONSULTING Weekly Schedule - Michael & Ellen

			WEEK	81-3			
Week 1 Manday July 15 th	Michael Observing	Week 2 Manday July 72**	Michael Modelling	Week 2 Thursday July 25°	Michael Observing	Week 3 Monday July 29*	Michael Modelling
9-10	Arree & Michael	9-10	Chartelle	9-10	April	9-10	*Fiore
10-11	Otartole	10-11	April	10-11	Fions	10-11	Chartole
- 8	ECESS		7.		ECESS		
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	ed by Windon to attend	5:00-5:30	Fiona	100-130	Chartole	100-130	April
200-230	Chartele	1:30-2:00	Chartelle	130230	April	130200	Fione
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200+330	Fione	2:30-5:30	Arrew & Michael	230-330	Agrees & Microsol	250-330	Agrees & Mich

			WE	EKS	5 - 8			
Week 4 Menday August 5*	Michael Observing	Week 5 Monday August 52*	Michael Modelling		Week 7 Monday August 20*	Michael Observing	Week 8 Menday September 2nt	Michael Modelling
9-10	TBA	9-10	TBA	183	9-10	Sharon.	9-10	Sharon
10-11	lan.	5545	lan.	163	35-11	ion	10-11	ign.
	ECESS			100	R	ECESS		
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100-130	Sally	1:00-1:30	lan.	Bid	100-130	lan	5:00-5:30	Salty
130-200	10000	130-200	Satu	100	130290	Sharon	130-200	106
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2:30-3:30	Armee & Michael	230-530	Armee & Michael		250330	Airree & Michael	230-330	Aimee SMichael

			WEEKS 9	- 10
Work 9 Monday September 9	Michael Observing	Week 18 Monday September 18*	Michael Modeling	Notes
9-10	in the second	9-10	Davi	Extra lifichael observation apportunities
10.11	Davi	10.11	-30	Wieek 2 Mondey July 22* at 11:30 - 12:30
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11:30-12:30	Saly	11:30-12:00	Saly	Allegs: 5 Moudal 186 510 - 1010
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	ed by Kinsten se to atland)		o by rivision o to attend)	Week 2 - Wednesday and Thursday sessions 3 & 4 need to swsp.
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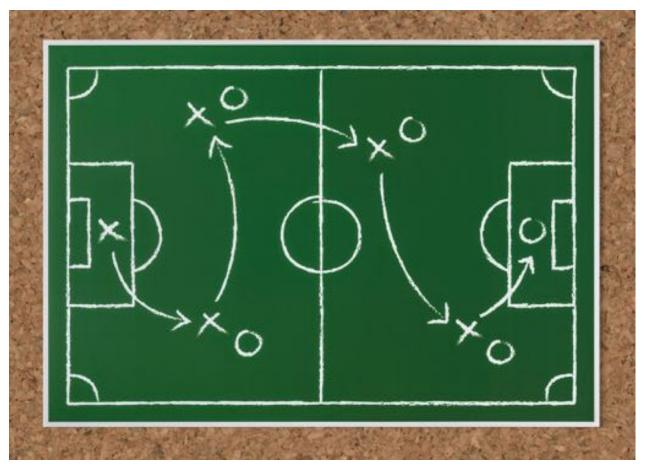
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	Consulting	Couching	Consider
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onne	345 Feam	F/1 Team	56 Team
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n	345 Team	\$4 Team	12 Feam
m ·	Planning	56 Team	12 Team

Top coaching tips



- 1. Plan for coaching
- 2. Debrief is critical for success
- 3. Celebrate



Learning Walks / Peer observations

- Explore
- ATSIL





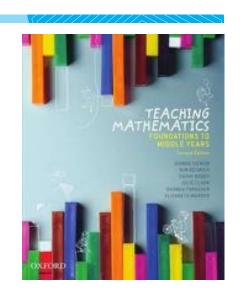
Planning

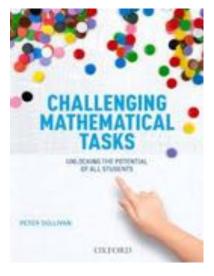


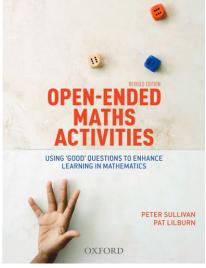
- Consistency
- Documentation
- Resources
- Whole school, yearly, termly and weekly

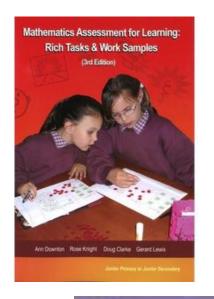
Resources - books



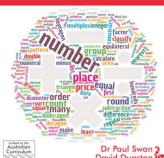






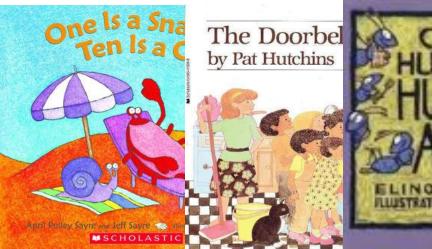












Resources - web



ReSolve https://www.resolve.edu.au/

Dr Paul Swan https://drpaulswan.com.au/

Numeracy Portal (Curriculum companion)

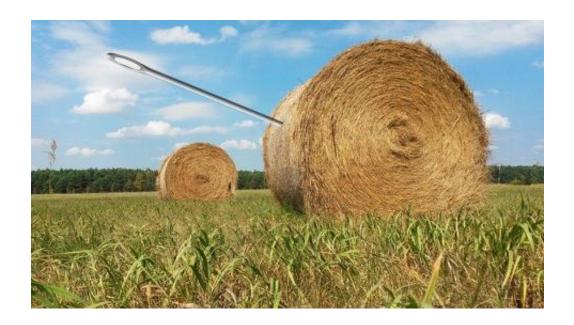
 $\frac{https://www.education.vic.gov.au/school/teachers/teachingresources/discipline/maths/Pages/numeracyportal.aspx}{}$

Maths 300 https://maths300.com/

NZ Maths https://nzmaths.co.nz/

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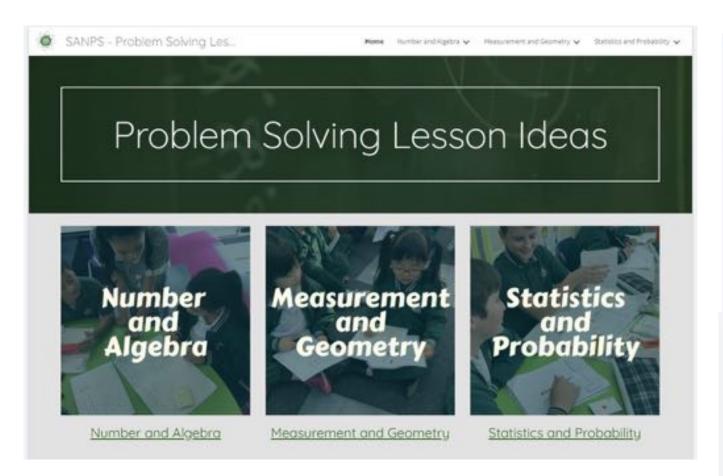
https://www.mav.vic.edu.au/Resources/Primary-resources/Curriculum-and-resources

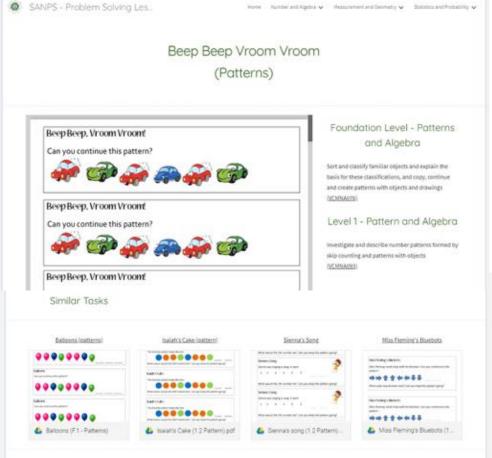




Resources @ SANPS









Yearly overview

MATHEMATICS	NUMBER AND ALGEBRA	Place Value (#EMNATS2) Odd and Even Numbers (#EMNATS3) Simple Fractions and Decimals (#EMNATS7) Number Patterns (#EMNATS3) Problem Solving (without equations) (#EMNATS3) (#EMNATS3)	Addition and Subtraction (VCSRSA132) CVCSRSA133 (Level 3 concepts revisited) Level 6 (VCSRSA154) Addition and Subtraction (VCSRSA362) Money (VCSRSA362) Problem Solving (vinition equations) CVCSRSA135) (Level 3 revision grantice) Level 4 (VCSRSA154)	Multiplication / Obvious (ICSINATES) O/CNNATSS) Fractions and Decimals (ICSINATES) O/CSINATES) Number Sentances (I/CSINATES) O/CSINATES) Fallerin and Algebria (I/CMINATES)	Fractions, Multiples to a whole number (I/CMNA050) throse numbers and place value to 10 500 (I/CMNA052) (I/CMNA052) (I/CMNA052) (I/CMNA053) (I/CMNA050) (I/CMNA050)
	MEASUREMENT A GEOMETRY	30 vitjecte (VCMMG171) Biogular and Enquiler shapes (VCMMG105) Langth (VCMMG165)	Shape and Symmetry (VCMMG176) Geometric Resources Angles (VCMMG104) Time (VCMMG167) (VCMMG168)	Location and Transformation (VCMIRQ173) Mapping (VCMMQ172) Area and Volume valume (VCMIRQ198)	Compare lengths, massive, capacities and temperatures/VCMMG165). Space, Maps. Scales and Nativorks. Time and Temperature. (VCMMG167). (VCMMG168).
	STATISTICS AND PROBABILITY	Data Representation and Interpretation (VCMSP176) (VCMSP176) (VCMSP180)	Chance and Probability (VCMSP179) (VCMSP179) (VCMSP177)	Data Representation and Interpretation (VCMSP176) (VCMSP176) (VCMSP160)	Chance and Probability (VCMSP176) (VCMSP176) (VCMSP177)
	Cwscins	Number / Place Value / Problem Sulving			

Learning Intention



Term 1 - Term Planner

Curriculum Content Descriptor / Elaborations / Achievement Standard
Unit topic - Pafterns and Algebra
Weeks - 2-3

Lend 3.
Describe, continue, and create number patterns resulting from performing addition or subtraction (VCMNA138)
Use a function machine and the inverse machine are a model to another to investigate number sequences involving multip
Define a stimula class of problems and solve the

1 can:
Describe repeating and growing shape, object and number patterns
Continue repeating and growing shape, object and

To describe, continue and create

repeating and growing patterns.

rue and create ving patterns. number patterns.
 Create repeating and growing shape, object and number patterns.

 Use the function and inversion machine to identify the rule

Identify the rule and apply it to the pattern to create a sequence.

Solve patterns involving fractions, decimals, whole numbers and various operations.

 Use my knowledge of mathematical algorithms to solve the missing parts of the pattern.

Prove and justify my mathematical thinking.

Use mathematical vocabulary linked with patterns.

Record, record, record my workings out and processes





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fractions, decimals and

Term Planner: Mini Units

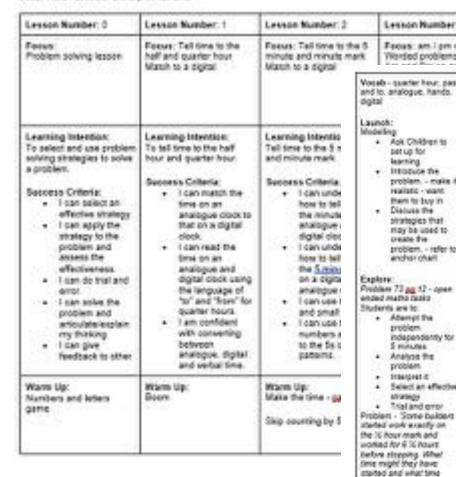
LEARNING AREA: MATHS

	Term: 4	(2019)		Year Level: 3	/4/5
Strane	d: Statistics & Pro	bability	Sub-stran	d: Data Represent	tation
	Achievement standard	d (expected in bold)			
	Level 2:	Level 3:	Level 4:	Level 5:	Level 6:
5 Less ons	Students collect data from relevant questions to create lists, tables and picture graphs with and without the use of digital technology. They interpret data is context. Students use everyday language to describe outcomes of familiar events.	Students carry out simple data investigations for categorical variables. They interpret and compare data displays. Students conduct chance experiments, list possible outcomes and recognise variations in results.	Students describe different methods for data collection and representation, and evaluate their effectiveness. They construct data displays from given or collected data, with and without the use of digital technology. Students list the probabilities of everyday events. They identify dependent and independent events.	Students pose questions to gather data and construct various displays appropriate for the data, with and without the use of digital technology. They compare and interpret different data sets. Students list outcomes of chance experiments with equally likely outcomes and assign probabilities as a number from 0 to 1.	Students interpret and compare a variety of dat displays, including displays for two categorical variables. They analyse and evaluate data from secondary sources. Students compare observed and expected frequencies of events, including those where outcomes of trials are generated with the use of digital technology. They specify, list and

Unit	Goal	Key Understandings/Proficiencies
without the use of digital technol Grade 5 - Students pose questions to gathe displays appropriate for the data.	pare data displays. given or collected data, with and ogy. r data and construct various	Identify questions or issues for categorical variables. Identify data sources and plan methods of data collection and recording Collect data, organise into categories and create displays using lists, tables, picture graphs and simple column graphs with and without the use of digital technologies. Construct suitable data displays, with and without the use of digital technologies, from given or collected data. Include tables, column graphs and picture graphs where one picture can represent many data values. Evaluate the effectiveness of different displays in illustrating data features including variability. Pose questions and collect categorical or numerical data by observation or survey. Vocab: data, interpret, collect, survey categorical, numerical, graphs, effectiveness, tally, transfer, values, features, displays, evaluate, variability, pose, questions.
Lesson Ideas		Cross Curricula Connection (Inquiry/STEM)
Compare the effectiveness of different methods of collecting data Choose the most effective way to collect data for a given investigation Explore ways of presenting data and showing the results of investigations Investigate data displays pose questions to gather particular data collect, represent and compare data sets Problem solving - TBA		Real life experiences - collecting data Inquiry - collecting data of environmental factors Writing - explanation of data and findings
Assessment		Resources
Formathre • Anecdotal records • Student work samples • Teacher observations and checklists • Informal - thumbs up etc	Summative Post test	Booker Open ended maths problems book Challenging maths task book maths resources Collected data

MATHS PLANNER

Focus: Measurement and Geometry Area: Time - poewer! / am & pm / fall time.





Ī	Lesson Number:		Lesson Numb	er 4	Lesson Nu	mber: 5		
	Feous: am I pm no Worded problems	ration	Floors: am / p Worded proble	The second second second	Feeut: con between un			
S (it was not	sib - quarter hour; past to, analogue, hando, of to, analogue, hando, of the property of the problem, - make it realized - want them to truy in - Discuss the otratogles that may be used to create the problem, - refer to anchor chart. Item: 23 ag 12 - quare of matter trusts are to. Aftempt the problem independently for 5 minutes.	Explore	proper interest and the contraction of the contract	Action and Supplemental Supplem	ce a fami alogue times on board for dents to name diconsent to alogue and vice to	Lauretic Misdelling Thhat is the finestable? Will be seen the Show one or TV - what information or give us? Explain how works and in orwate one Model as a gifte timestable day at solded industrial day at solded include to the quarter how. Explore: Disdents are to: Select an ap draw up a simurable Create a still to show the others are to they will be of	entil How to add exects etc. Introduce the question about the heliday. Explore: Students are to: Use their calenda on the Frado Fart 1 - Travel agent booked out holiday in January We are going to 16 days. On what day might ree leave and return? Give 5 possible outcomes. Extension: the flight was a redays lovernight does this change divings?	explicitly show how to mork these out if I had 4 minutes how many seconds do I have? str.
	Analyze the problem Interpret it Select an effective strategy Total and error	2.5	through Starte went	ling prompts d on the hou for 8.5 hours ding promp	rand Stu app with	bling prompts: dents select an ropriate level to begin on ICT program	with a peer for them to convert Enabling prompts: Telling time to the hour	Enabling prompts: Build timetable to the hour Extending prompts: convert pm time to 24.

Extending prompts:

appropriate level on ICT

Students share something

new that they learnt about

Students select an

program

time.

Summary:

Extending prompts: 24.

Class share -share some

time conversions on the

and half hour

bosz time

Summary:

board

hour times.

Summary:

timetables.

Students share their

Upload to seesaw

decimals - starting from a

Start at 7:12 and worked

Select 2 students to share

their strategies and

explain their thinking.

Breaking time into

specific minute.

for 987 minutes

Summary:

might they have strapped?"

Enabling prompts: work in similar abled groupssimple problems

Extending prompts: More complex problems ap-if I went to the shopping centre for three. hours how many things could I fit in? -convert this

Converting 12-24 hr hour time systems

Airplay and explain their thinking



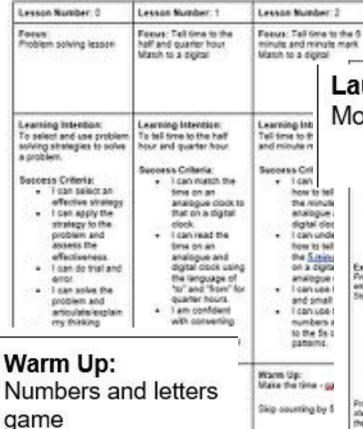
MATHER PLANNER

Focus: Measurement and Geometry Area: Time - potwert / am & pm / tell time

Lesson Number: 0	Lesson Number: 1	Lesson Number 2	Lesson Number: 3	Lesson Number: 4	Lesson Number: 5
Feetwa Problem solving lesson	locus: Tell time to the off and quarter hour fash to a digital	Feeurs: Tell time to the 6 minute and minute mark March to a digital	Pacus: am I pm netation Worded problems Art and Philon an analogue and digital clock	Feders: am / pm notation Worded problems calendar work - dates	Feest: converting between units of time - seco - minutes - minutes - hours - hours - days - days - seek - year - decade - century
Learning Intention: To select and use problem solving shategies to solve a problem.	Learning Intention: To tell time to the half hour and quarter hour.	Learning Intention: Tell time to the 5 minute and minute mark	Learning Intention: To use an and pro- notations to solve simple time problems.	Learning Intention: To solve simple time problems	Learning Intention: To convent between units of time
Beccess Criteria: I can select an effective strategy: I can apply the strategy to the problem and assess the effectiveness. I can do trial and error: I can solve the	I can match the time on an analogue clock to that on a digital clock I can read the time on an analogue and digital clock using the language of 'to' and 'from' for	Feotores Criteria: • I can understand how to tell time to the minute on an enalogue and digital clock • I can understand how to tell time to the Siminute mark on a digital and analogue clock. • I can use the big	Second Criteria: I can identify an and pm and what they mean in time. I can calculate the time travelled between 2 places. I can plan out my weekend by creating a timetable.	Becomes Criteria: I can identify the features of a calendar I can show my knowledge of a calendar I can access digital calendar to add events I can add events in the correct	Sectors Criteria: I can understand what converting means I can convert between units of time I can use problem solving to work out the conversion of time I can useproblem.

MATHS PLANNER

Focus: Measurement and Geometry Area: Time - potwert / am & pm / fall time



Lesson Number: 3 Lesson Number: 4 Lesson Number: 5 Feous: am. I gm netation Federa: am / pm notation Feest converting between units of time Worded problems Worded problems

BUSSING

weston's pkWQ

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Launch: Modelling:

ment to tay of

strategies that

may be used t

problem. - refe

anchor chart

Problem 73 pg 12 - op

· Attempt the

troblem.

S minutes

Interpret it

Problem - Some builders

started work exactly on

the 16 hour mark and

worked for 6 % hours

before stopping. What

time might they have: started and what time

might they have shopped?

Select an affective

Trial and error

Analyze the

independently

ended matho rusks

Students are to:

Enploye

create the

Discouse the

Ask Chilc set up for

> Explore: Students are to:

> > . They w

Brough

QUESTION

1 throo

Go on iP access th

Modeling:

Model with an

to sell the time.

going up from 5

post the hour go.

5 part, ten past,

minute markets

ines on

Focus on the

15 past-make the

connection to skip

actual clock how

Launete Misselling.

· What is the Smetable? Where SO WE SHE THERE! Show one on the TV - what. information does it give us?

Explain how it. works and how to create one

 Model as a prade the timetable of a day at school include to the guarter hour

Explore:

Displaces are to: Select an app to diam up a Simurlable.

Create a timetable to show the cities trents they will be doing.

Lisunohi

· Gain PK around

Explicitly discuss.

bidyerling

what firms

CONVENTION

means-show

Model with a few

board and

shubants 60sacs

is 1 min. 60 mins is It for each

problems on the

explicitly show

. Filhad 4 minutes

secondo do I

how many

have? sin.

how to mork these

- Modelling How to scioebs Plast calendar How to add
 - exects etc. Introduce the question about the haliday.

Explore

Students are for Use their calendar on the Pado

Part 1 - Yravel agent blocked out holiday in January We are going for tić days. On what day might we leave and return? Give 5 possible duttoomes. Extension: the flight was a

with a peer for

them to conve

Enabling prompts:

and half hour

Telling time to the hou

Explore redeye lovernighti doss this change things?

Students are to:

Build timetable to the hour

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ASSOCIATION OF VICTORIA

Extending prompts:

convert pm time to 24 hour times.

Enabling prompts:

erting 12-24 hr hour avalent.

ling prompts: work illar abled groups-

e problems

went to the

iding prompts:

complex problems

ping centre for three

how many things

1 fit in? -convert this

Summary:

Airplay and explain their

Enabling prompts: Started on the hour and went for 6.5 hours

Extending prompts:

Breaking time into decimals - starting from a apacific minute. Start at 2:12 and worked for 987 minutes

Summary:

Select 2 students to shan their strategies and explain their thinking.

Enabling prompts Students select an appropriate level to begin with on ICT program

> Extending prompts: Students select an appropriate level on ICT

Extending prompts:

Summary:

Students share *** *** new that they le

Getting the whole school on board

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Teachers' say

Maths around the school

Teachers' say



Getting feedback to get everyone on board

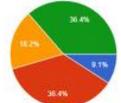


Teacher feedback @ SANPS



littore of in Consulting	Changes in consulting	Professional development	Changes in 11 coaching
More Problem solving Other sessions outside of problem solving Wide variety of strategies, new ideas more resources Modelling Feedback and ideas of how to do something better Question techniques	Feedback to be two ways Ownership over focuses See skill development Know the coaching cycle More modelling Feedback length Numeracy structure	Anecdotal records Diagnostic testing and prompts. Sequential skill development Logical thinking, mental calculation and reasonable Problem solve other than mu Well below stithe same topic Methods/sozatimultiplication Using material Problem solve instructional e	Assessment Interventor students Open ended questions More modelling Resources

Questioning



Here are some of the changes that have been/going to be made:

- . You received a term overview of consulting and coaching timesables for the term
- . There is designated coaching weeks
- There will be coaching with me to follow consulting cycle with Michael
- We have opened up more opportunities for observations when Michael is modelling
- We have changed the debrief sessions to have both Michael and myself contributing
- Made changes to the timing of debrief sessions, to be 10 mins of lesson reflections and 10 mins of a planning goal for even. time. They will still be timetabled for 30 mins, as this allows for change over



debrief with teachers around their goal and future goals. cal and direction of professional learning within their lessons.

ng one of the teachers within the consulting cycle. I receive my own feedback

asses from me based on cycle as per the overview. with me, at a time that suits the teacher. times for coaching ions in the instructional model

ey that can't always be met. As per our discussion, if there is something you and have a chat, or if you would like clarification around any of the above.

What would you like more of regarding the Numeracy consulting (Michael/Ellen)?

11 responses

Sequential skill development. A number of lessons that build on the previous lesson. Guidance on how to choose lessons to develop specific skills. Explicit teaching of concepts.

I have not had coaching with Michael yet so I graded the previous question thinking about Aimee.

It was refreshing to discover a new approach to teaching problem solving.

Connecting with community



Share the journey with families

Numeracy profile @ SANPS









THE FIVE PRINCIPLES OF DELIBERATE PRACTICE











Defining focus

Keep in mind

- Time frame
- Resources required
- Mental space and time for learning
- Passengers
- Do-ability!



Taking the next steps





Map out one learning goal, one step at a t time.

What will this professional learning intervention look like. Who will be involved, how long for?

What are the outcomes of each step?

SANPS Action plan





SAMPS Numeracy Action Plan (Term 1& 2)

Coel/Objective	Sub goelinpary	SAMPSInput	AMAV Input	Memare
building teaching war capacity in estimated teaching teaching war street teaching to the control of the control	what does an affective/good matho lesson took rike? instructional model	Aimee support at planning and in classroom (modelled teaching/lotservations) Whole school Pt. steek 2 (into to numeracy plan, teacher pressessment, intro to coaching) Whole school Pb approx. It weekly form 1 and 2 Identify and develop satural instructional model	Tear long support (mendays) Award block coaching intensives Support the development of SANPS instructional model Model 'good' lessons	All teams participate in 3 to 2 rounds of coaching semester 3 All teachers have some support (phening and in class support) till after school PO sessions held semester 3 Oraft instructional model developed
	what resources should teachers use?	Build numeracy litts to support tracker planning Aimee to introduce physical and website at week 6 & 8	Support Armee to develop Nameracy kits Model lessons using nessurces from kit	New mident table added to planners and pourced from numeracy kit.
	now do we get unidents thinking numbersocially	Armee support at planning and in classroom (modelled teaching/observations) Tentative afterschool PD herm 2 on shinking fanguage	s-week block coaching intentives Modelled lesson to promote thinking	Students begin to use mathematics language to explain their thinking and learning





SAMPS Numeracy Action Plan (Term 3 & 4)



Goal/Objective	Sub-goolinquiry	SAVPSInput	MAV Input	Mossaro
Building teaching Capacity is enathermotics tracking	What does an affective/good mathu lesson look like?	Finalise the SANP'S instructional model Wilhole school Pt. [Instructional model) After school PD sessions held to cover: Instructional model Froblem solving strategies Aimoe continue to support in weeks planning Set up 6 week coaching cycle (4 weeks working with Michael, 4 weeks with Aimsel) Teachers setting their own coaching goals for coaching	Tear long support (Mondays) Guest block cracking intensives Model' good lessons Observing teachers and providing feedback Facilitating teacher to set own coaching gools Support the development of SANPS instructional model	All tracher perticipate in 1 to 2 rounds of coaching All trachers have Aimee continued support (planning and in class support) After school PD sessions held to cover Instructional model Froblem solving strategies Finalise and have the instructional model with all statementary 13 sessions of peer observations 11 sessions of peer observations
	How do we increase the profile of Numeracy around the achool and home?	Airnee to place a fortnightly readly activity for families to work on together at home. Item a 'problem solver of the week' display in the school. Airnee to take weekly pronou of students and display them with the students work for the action community to see. Increase the presence of Maths on Secsion for families to see. Airnee to distribute professional reading to all staff. In a competition to design a Markoor.	Support and offer resources for 'at home task' for the messivation. Pass slong any good professional readings for Almsee to distribute to staff.	Systee and of the year there will be 20 challenges in the needstate: There will be a Mathear? Create the advancements with with stockent of the week problem solving on 8. 11 problem solves of the week. 15 seesee poets to do with Mathe annual the other. Clarateste professional reading basis per team.
	How to building Aimee's capacity?	Attend and present at the MAV conference Coaching with one teacher during consulting time Aimee to model in classes and run debrief session in second half of coaching cycles Having regular meeting times with Michael to discuss/plan/debrief.	Ellen to support and co-present with Aimee at MAV conference Michael to provide feedback to Aimee on modelled/debrief sessions Michael to provide informal feedback/advice on second half of cycle.	Will present at the MAV conference in December Aimee to talk lead with 5 teachers during the first half of coaching

Specific goals



ARE YOU PRACTICING WITH PURPOSE?

- Are clear and specific goals established and agreed upon by all parties
 - including all cooperating teachers and teacher-educators who are involved in designing a novice teacher's opportunities for practice?
- Can clear measures be established to track progress against these goals?
- Do cooperating teachers and teacher-educators provide specific, actionable feedback related to these goals?

CONSISTENCY is the key to Success

Commit to course corrections



- Is the plan working or not working
- How can you adapt if not
- Are there things that you're doing that are actually not working for you

Where to go if you need help



- Find a mentor
- Someone to bounce
- Know your support network
- Reach out
- Ask questions

Questions



Feedback