| GRADE 4 MATHEMATICS PLANNER - Victorian Curriculum |  |  |  |  |  |  |
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| Unit: Time |  |  | Strand: Measurement and Geometry |  | Term 3 Week 1 | $2016$ |
| Vocabulary: am, analogue, days, digital, hours, measure, minutes, months, pm, seconds, time, weeks, years |  |  |  |  |  |  |
| Resources: Websites, teacher-made lesson content, worksheets |  |  |  |  |  |  |
| YEAR LEVEL INDICATORS | Content Descriptors \& Standards: |  |  | Elaborations: |  |  |
| Level 3 | - Tell time to the minute and investigate the relationship between units of time <br> (VCMMG141) <br> - They tell time to the nearest minute. |  |  | * Recognising there are 60 minutes in an hour and 60 seconds in a minute |  |  |
| Level 4 | - Convert between units of time (VCMMG167) <br> - They convert between units of time. <br> - Use am and pm notation and solve simple time problems (VCMMG168) <br> - They solve problems involving time duration. |  |  | * Identifying and using the correct operation for converting units of time <br> * Calculating the time spent at school during a normal school day <br> * Calculating the time required to travel between two locations <br> * Determining arrival time given departure time |  |  |
| Level 5 | - Compare 12 and 24 hour time systems and convert between them (VCMMG197) <br> - They convert between 12 and 24 hour time. |  |  | * Investigating the ways time was and is measured in different Aboriginal Country, such as using tidal change <br> * Using units hours, minutes and seconds |  |  |
| Pre Assessment | Have students sketch an analogue clock, and show 7:45 ( a quarter to 8 ) on the clock. Have students write three time facts, e.g. 1 minute $=60$ seconds. |  |  |  |  |  |
|  | Lesson 1 | Lesson 2 |  | Lesson 3 | Lesson 4 |  |
| Whole Class Introduction | Pre-test: <br> 1. Conduct above pre-test to determine groups <br> Or <br> 2. Distribute Time Capacity Matrix http://effectivecurriculumideas.weebly.c om/uploads/2/5/2/5/25254303/progres sive capacity matrix the victorian_curriculum mathematics - time year levels identified.pdf | Tuning in: <br> VCMMG167 - Time - Converting Between Units - Wow Intro - Seasons of Love (Video from the movie Rent) <br> - What is special about 525,600 minutes? <br> - What other ways did they measure a year in? (love, cups of coffee? <br> - What other ways at school can we measure a year in (terms, weeks, days, months) <br> - Complete the chain: 1 year = days, weeks, months, terms) |  | Tuning in: <br> VCMMG141 \& 167 - Time - Relationship between Units of Time - Conversion Millionaire - Lesson (Quiz).pptx | Tuning in: ??? |  |




|  |  | AT <br> Assessment (Gauge current <br> understanding) <br> Paper <br> 1- Duration - Add 1 hour or 30 mins <br> - VCMMG167-Time - Solving <br> Simple Problems - Duration - <br> Strategies - Adding 1 hour or 30 <br> mins (Easy) - Lesson 1.pptx on <br> paper )give work to teacher) <br> Computer <br> 1. Convert between Units Of Time <br> - Convert between Units Of Time Studyladder (All three activities) <br> - Use am or pm ( $2 \times$ activities) Studyladder <br> 2. Duration problems (ask teacher first) <br> - VCMMG167 - Time - Solving Simple Problems - Duration Strategies - Using a Number Line - Lesson.pptx - Lesson with book for work <br> - Online activity http://www.bgfl.org/bgfl/custo $\mathrm{m} /$ resources $\mathrm{ftp} / \mathrm{client} \mathrm{ftp} / \mathrm{ks} 2$ /maths/timetables/index.htm | ABOVE <br> ASSESSMENT: <br> 1. 24 Hour Time (First four activities) - Studyladder - Grade 5 <br> Fast Finishers: <br> - Put up classroom posters on 24hour times: VCMMG197Time - 24 Hour Time - Analogue \& Digital Time - Classroom Posters.pdf | BELOW <br> Self-paced lesson (in pairs) writing answers in books <br> - VCMMG141-Time - Digital Clocks - Reading \& Writing Time to the Minute - Lesson.pptx <br> Next Unit Assessment: (Gauge readiness for next step) <br> - Studyladder - Grade 4 <br> 1. Convert between Units Of Time (All three activities) |
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