

## Maths/time-telling/problem solving exercise: Dylan's Day

**Suitable for KS2**

**Key skills:** digital/analogue time telling, team work (if multiple learners are at home), problem solving

**Overview:** Originally designed as part of a maths/design project with a year 4 class, Dylan's Day was one of the first exercises I created for the class.

Dylan is a zookeeper. His activities throughout the day can be cut out and stuck on a wall as a giant timeline – but there are gaps to fill in! Work out what time Dylan carries out his daily routine, and how long his tasks take him.

The exercise uses a mixture of digital and analogue times. Pages 2-3 of this document contains the correct answers to the timeline exercise. The timeline squares for you to cut out and make a wall timeline are from page 4.

We extended this task by asking the children in the class to draw a picture underneath Dylan's activity of what they would be doing as this time of day. No words allowed; the drawing had to be as clear as possible.

## **Timeline of Dylan's Day: (Teacher/Practitioner Resource – answer sheet)**

### **Morning:**

07:00 - Wake up

07:05 – Shower (10 mins)

07:15 – Get dressed (5 mins)

07:20 - Walk Timmy (Dylan's dog) (20 mins)

07:40 – Make cup of tea (5 mins)

07:45 – Eat breakfast (10 mins)

07:55 – Brush teeth (5 mins)

08:00 – Cycle to work (20 mins)

### **Work Morning:**

08:20 – Arrive at work, put coat away, change into uniform (10 mins)

08:30 – Clean out leopard enclosure (70mins)

09:40– Visit from the vet: show around panther cage (35 mins)

10:15 – Check on tiger cubs (25 mins)

10:40 – Tea break (20 mins)

11:00 – Lead a group tour (90 mins)

12:30 – Feed lions (45 mins)

13:15 – Lunch Break (45 mins)

### **Work afternoon:**

14:00 – make assault course for tigers (120 mins)

16:00 – tea break (10 mins)

16:10 – clip cheetahs' claws (30 mins)

16:40 – Sweep and tidy office (15 mins)

16:55 – Change out of uniform (5 mins)

17:00 – Cycle home (20 mins)

**Evening:**

17:20 – arrive home, check post (10 mins)

17:30 – make and eat dinner (45 mins)

18:15 – Feed Timmy (5 mins)

18:20 – Leave for cinema (10 mins)

18:30 – Watch film and travel home (135 mins)

20:45 – Walk Timmy (30 mins)

**Night:**

21:15 – Make packed lunch for work (10 mins)

21:25 – Wash up (10 mins)

21:35 – Iron uniform for work (20 mins)

21:55 – Make cocoa (5 mins)

22:00 – brush teeth, put on pyjamas (15 mins)

22:15 – Read book (30 mins)

22:45 – Check on Timmy, put bins out (15 mins)

23:00 – bed time

Timeline squares (Cut out and stick to your wall):

07:00 Wake up	five past 7 (a.m.) Shower (10 mins)
————— Get dressed 5 mins	————— Walk Timmy (Dylan's dog)
Twenty to eight (a.m.) Make cup of tea 5 mins	————— Eat breakfast 10 mins
————— Brush teeth —————	8 a.m. Cycle to Work 20 mins
08:20 change into uniform —————	half-past 8(a.m.) Clean out leopard pen 70 mins
————— Visit from vet: show around panther cage 25 mins	Quarter past ten (a.m.) Check on tiger cubs —————

<p style="text-align: center;">_____</p> <p style="text-align: center;">Tea break</p> <p style="text-align: center;">_____</p>	<p style="text-align: center;">11:00</p> <p style="text-align: center;">Lead a group tour</p> <p style="text-align: center;">_____</p>
<p style="text-align: center;">Half past midday</p> <p style="text-align: center;">Feed lions</p> <p style="text-align: center;">45 mins</p>	<p style="text-align: center;">_____</p> <p style="text-align: center;">Lunch break</p> <p style="text-align: center;">_____</p>
<p style="text-align: center;">14:00</p> <p style="text-align: center;">make tiger assault course</p> <p style="text-align: center;">_____</p>	<p style="text-align: center;">4 o'clock (p.m.)</p> <p style="text-align: center;">Tea break</p> <p style="text-align: center;">_____</p>
<p style="text-align: center;">16:10</p> <p style="text-align: center;">clip cheetahs' claws</p> <p style="text-align: center;">30 mins</p>	<p style="text-align: center;">_____</p> <p style="text-align: center;">sweep and tidy office</p> <p style="text-align: center;">_____</p>
<p style="text-align: center;">Five to five o'clock (p.m.)</p> <p style="text-align: center;">Change clothes</p> <p style="text-align: center;">_____</p>	<p style="text-align: center;">17:00</p> <p style="text-align: center;">Cycle home</p> <p style="text-align: center;">_____</p>

<p>_____</p> <p>check post</p> <p>10 mins</p>	<p>_____</p> <p>make and eat dinner</p> <p>45 mins</p>
<p>Quarter past 6pm</p> <p>Feed Timmy (Dylan's dog)</p> <p>5 mins</p>	<p>_____</p> <p>Leave for Cinema</p> <p>10 mins</p>
<p>_____</p> <p>Watch film and travel home</p> <p>_____</p>	<p>20:45</p> <p>Walk Timmy</p> <p>_____</p>
<p>21:15</p> <p>Make packed lunch</p> <p>10 mins</p>	<p>twenty-five past nine</p> <p>Wash up</p> <p>_____</p>

<p>21:35</p> <p>Iron uniform for work</p> <hr/> <hr/>	<p>Five to ten p.m.</p> <p>Make cocoa</p> <p>5 mins</p>
<hr/> <hr/> <p>brush teeth, put on pyjamas</p> <hr/> <hr/>	<p>22:15</p> <p>Read book</p> <hr/> <hr/>
<p>quarter to eleven p.m.</p> <p>put bins out</p> <p>15 mins</p>	<hr/> <hr/> <p>Bed time</p>