

|  | "The easiest ways to find our pulse is by either lit finger" <br> Demonstrate how to find your pulse both ways <br> Give students some time to practice finding thei <br> Have students give me a thumbs up when they <br> Help students who might be struggling <br> Have student come get a recording sheet and pi <br> "We will do a series of activities to discover how <br> "For each activity we do, I will set a timer for 15 <br> "Since we need to find beats per minute and we <br> Tell students that we will have to multiply the $n$ <br> Do each activity along with the students for 15 s <br> Students will figure out beats per minute after <br> Wait for a couple minutes before starting the next <br> Activity \#1 Sit very still in your chair <br> Activity \#2 Carefully swing your arms <br> Activity \#3 March in place <br> Activity \#4 Jog in place at a slow pace <br> Activity \#5 Jog in place at a moderate <br> Activity \#6 Jog in place at a fast pace <br> Activity \#7 Walk slowly around the roo <br> Activity \#8 Sit very still in your chair | ghtly pressing on our wrists or our neck with our middle and pointer <br> pulse <br> re able to find their pulse <br> ce of scratch paper which they can use to help them multiply these different activities affect our circulatory system and our pulse" seconds and you will count the number of times you feel that beat" are only recording for 15 seconds, what will we need to do?" umber we get by 4 to figure out the beats per minute econds <br> ach activity and record it on their sheet <br> xt activity <br> ack and forth <br> pace |
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| $\begin{gathered} 5 \\ \text { minutes } \end{gathered}$ | Explain: (concepts, procedures, vocabulary, etc.) <br> - Students will record their beats per minute for activity. <br> - "What does the heart rate graph tell us?" <br> - Allow a few students to answer <br> - "Each beat that you felt was caused by the contr <br> - "When you are exercising, your body uses more with the oxygen-filled blood that it needs" <br> - "Our bodies need a steady supply of blood pump <br> - "Does anyone remember from the video about h | ach activity on the graph using a different colored pencil for each <br> action or squeezing of the heart" <br> oxygen-filled blood, so your heart pumps faster to supply your body <br> ing in and out of the heart to keep it working right" <br> how many times our heart beats per day? $(100,000)$ |
|  | Review (wrap up and transition to next activity): <br> - Students will complete an exit slip on the back of The exit slip will answer the following Was your heart rate faster when sittin Why was your heart rate faster when j | their recording sheet uestions <br> in your chair or when swinging your arms back and forth? gging in place at a faster pace rather than a slower pace? |
| Formative Assessment: (linked to objectives, during learning) <br> - Progress monitoring throughout lesson (how can you document your student's learning?) <br> I will have students give me a thumbs up when they are able to find their pulse |  | Summative Assessment (linked back to objectives, END of learning) <br> Students will complete an exit slip |
| Reflection (What went well? What did the students learn? How do you know? What changes would you make?): <br> Overall, the lesson went well and the students enjoyed being active for the majority of the lesson. I also loved how students were able to ge out of their desks and get physically active for this lesson. I thought the video was a good introduction to the circulatory system which I would show again to give students some background knowledge about how the heart works. A couple students struggled with finding their pulse, so they grew frustrated. To try to overcome this struggle, I was patient with them and helped them find their pulse, but when all else |  |  |
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failed I told them they could look on with their neighbor. The main downfall of the lesson was the fact that some students had a difficult time finding their pulse. I'm not sure what more I could have done to make sure every student felt their pulse, although I did give students a second chance to find their pulse by doing each activity twice. I didn't have it in my lesson to do each activity twice, but I wanted to give students two chances to find their pulse since some students had a hard time feeling their pulse. It also worked well to have students give me a thumbs up when they were able to feel their pulse so that I knew when to start the timer. I displayed a $\mathbf{1 5}$ second time on the board for everyone to see. I decided to only time each activity for 15 seconds so that it would be easier to count and keep track of the number of heart beats. Since we were recording beats per minute on the recording sheet, the students had to multiply the number of beats they got times four to get the number of beats per minute. I was able to make it simpler to count the number of heart beats while also tying math into the lesson at the same time. I feel like I communicated expectations well such as making sure to tell them no talking while taking their pulse. It was helpful to discuss what our heat rate graphs told us as students were able to understand the main concept this way. The graph was a great for the visual learners as well, especially since I had the students use different colored pencils. I then explained the reason our heart rate is faster when exercising or putting in more physical effort. Next time, I would maybe find some sort of visual or video clip to reinforce my explanation so that students could better understand how it works. The students' number of beats per minute for each activity differed some which is normal, but for the most part their graphs followed the same general pattern. The main expectation I had was for everyone to participate in the activities even if they couldn't feel their pulse for every activity. The important part was that students understood that their heart rate is affected differently depending on their level of physical effort and I feel confident the students grasped this idea based on their exit slips.

