INTRODUCTION TO HEART RATE

| 60 second Counts | 6 second Counts |
|---|--|
| o Radial Pulse: | o Radial Pulse: |
| o Carotid Pulse: | o Carotid Pulse: |
| My Resting Heart R | ate (RHR) is |
| Karvonen | N FORMULA |
| | ical formula that helps you determine your target maximum heart rate (MHR) minus your age to a percentage of your MHR). Staying within this |
| Below is an example of the Karvonen formula for 65 beats per minute (*to get your resting heart rafirst wake up in the morning or after you've resting updated calculation of maximum heart rate (the been shown to be inaccurate. 206.9 - (0.67 x 14 (age)) = 198 198 - 65 (resting heart rate) = 133 133 * 65% (low end of heart rate zone) OR 85% (low end of heart rate) = 151 113 + 65 (resting heart rate) = 151 The target heart rate zone for this person would be | ate, take your pulse for one full minute when you ng for a while). This formula also includes an previous formula was 220 - age, which has now high end) = 86 OR 113 |
| 206.9 – [0.67 x (age)] ==MHR | |
| (MHR) - (RHR) =(HRR) | |
| (HRR)* 65% (low end of heart rate zone) or | 85% (high end) =LOW orHIGH |
| (LOW) +(RHR) = low end of <u>targ</u> | <u>ret</u> heart rate |
| (HIGH) + (RHR) = high end of te | <u>ırget</u> heart rate |
| The target heart rate zone for me is | s to |
| PERCEIVED ECERTION | TIRED 3 |
| 5 SO TIRED I CAN'T | A LITTLE TIRED 2 |
| OF ALLYTISES | 1 @ |



San Marin Physical Education

Weekly Activity & Fitness Log

| | Name | | | | |
|-----------|-------------------|---------------------|---------------------|---------|----|
| TATE | Period: | Total Score: | | | |
| | For re | eplacement cards or | make up forms: | | |
| | 1 | www.SanMarinPE.v | | Week 10 | |
| | | | ength Training Circ | | |
| Monday | Activity/Skill | Muscle Group | Green Circui | t Rp/W | /t |
| ◎ ⊜ ⊗ | | | 1. Leg Lifts | | |
| | | | 2. Leg Curls | | |
| CV MS ME | Score | | 3. Leg Press | | |
| BC FX | | | 4. Bike | | |
| Tuesday | ۸ مدن ندر /Cl.:۱۱ | | 5. Shoulder Press | 5 | |
| o ⊕ ⊗ | Activity/Skill | | 6. Shrugs | | |
| | | | 7. Pull Down | | |
| CV MS ME | Score | | 8. Calf Raise | | |
| BC FX | | | 9. Pull Down | | |
| | | | 10. Curls | | |
| Wednesday | Activity/Skill | | 11. Seated Row | | |
| | | | 12. Push Ups | | |
| | | | 13. Wall Sits | | |
| CV MS ME | Score | Muscle Group | Gold Circuit | Rp / W | /t |
| BC FX | | | 1. Band Pull Dow | n | |
| | | | 2. Ab Board Sit U | ps | |
| Thursday | Activity/Skill | | 3. Band Curls | | |
| ◎ ⊜ ⊗ | | | 4. Jump Rope | | |
| CV MS ME | Score | | 5. Lunges | | |
| BC FX | Score | | 6. Band Leg Curls | i | |
| BC 1X | | | 7. Calf Raise | | |
| Friday | Activity/Skill | | 8. Superman | | |
| © © S | ACTIVITY/3KIII | | 9. Dumbbell Shru | - | |
| | | | 10. Shoulder Pres | ss | |
| CV MS ME | Score | | 11. Triceps Press | | |
| BC FX | 30010 | | 12. Chest Press | | |
| | | | 13. Med Ball Squ | ats | |
| | | | | | |
| | | Cardiovascular Fit | ness | | |

Teacher Notes:

Exercise

Goal

Time/Score

PR?

□Y □N HR

PEI

| Page | Score | |
|------|-------|--|
|------|-------|--|

Grade

The Parts of Physical Fitness

When you see a person who is good at sports do you assume that the person is physically fit? You might be surprised to know that this assumption is not always true. It is true that a person who excels in sports needs a certain degree of physical fitness. However, being good at a specific skill such as running may not be a good indicator of total physical fitness; some sports require only certain parts of physical fitness.

Physical fitness is made up of 11 different parts; 5 parts are <u>health related</u> and 6 parts are <u>skill related</u>. As the terms imply, **health-related physical fitness** helps you to stay healthy, while **skill-related physical fitness** helps you perform well in sports and activities that require certain skills.

Health-Related Physical Fitness

As you read about each part of health-related physical fitness next, ask yourself how fit you think you are in each.

Cardiovascular fitness <u>is the ability to exercise your entire body for long periods of time without stopping</u>. Cardiovascular fitness requires a strong heart, healthy lungs, and clear blood vessels to supply the cells of your body with oxygen they need.

Strength is the amount of force your muscles can produce. Strength is often measure by how much weight you can lift or how much resistance you can overcome. People with good strength can perform daily tasks efficiently – that is, with the least amount of effort.

Muscular endurance <u>is the ability to use your muscles many times without tiring</u>. People with good muscular endurance are likely to have better posture and fewer back problems.

Flexibility is the ability to use your joints fully through a wide range of motion. You are flexibly when your muscles are long enough and your joints are free enough to allow adequate movement. People with good flexibility have fewer sore and injured muscles.

Body fatness is the percentage of body weight that is made up of fat when compared to the other body tissues, such as bone and muscle. For example, a person who weighs 100 pounds, 20 pounds of which is fat, is said to have a body fat level of 20 percent. People who are in a healthy range of body fatness are more likely to avoid illness and even have lower death rates than those outside the healthy range. The extreme ranges are most dangerous. Too little or too much body fat can cause health problems.

How much of each of the five health-related parts of fitness do you think you have? To be healthy, you should have some of each. If you do, you are less likely to develop hypokinetic conditions – health problems caused partly by lack of physical activity. Examples include heart disease, high blood pressure, diabetes, osteoporosis, colon cancer, and being over-fat.

People who are physically fit feel better, look better, and have more energy. You do not have to be a great athlete to have good health and to be physically fit. Regular physical activity can improve anyone's health-related physical fitness.

| ١ | What are the 5 components of fitness? |
|---|--|
| 1 | Living a Healthy and Active life will help avoid |
| ı | Name at least 3 different examples of hypokinetic conditions |
| | Does/did anyone in your family have one of these conditions? Which ones? |



