

Our Lady's High School<br>Keep Fit Workbook




How to work out your maximum Heart rate:
220- age =
Eg 220-24 = 196 bmp.

To improve your cardio respiratory endurance (CRE) you should train within your TRAINING ZONE.

Your training zone is $70 \%-85 \%$ of your maximum HR.
EG 70\% of $196=137.2$
$85 \%$ of $196=166.36$

What is your maximum HR and Training Zone?

Max HR $\qquad$
Training Zone $\qquad$



## HOW <br> 

In order to develop our fitness we must understand our level of fitness. This can be done by carrying out fitness tests for each aspect. Can you name a fitness test for the following aspects?

## CRE-

Muscular Endurance-
Strength-
Speed-
Power-
Agility-
Flexibility-


TASK: You will be challenged with questions for a variety of subjects. Each page will give specific instructions. The answer to your questins will equal the number of exercises you must complete.

Time yourself and see how quickly you can escape.

## Escape room 1



TASK: Work out the answers to the equations below.
Then complete the corresponding exercises for each answer. REMEMBER TO USE BODMAS.
E.G. 25 / 5 = 5 squats
A) 108 / 9 = ......... STAR JUMPS
B) $4 \times 10 / 2=$......... SIT UPS
C) $6+5 \times 2=$......... LUNGES
D) 63 / 3 - 3 = ......... SQUATS
E) $2 \times 6+2=\ldots . . . .$. PRESS UPS

## Escape Room 2



TASK: Read the text below and count how many A,E,I,O and U's there are. Then complete the corresponding exercise for each letter the correct amount of times. E.G. There are 6 A's in the abstract which $=6$ sit ups
'Your father is right," she said. "Mockingbirds don't do one thing but make music for us to enjoy. They don't eat up people's gardens, don't nest in corncribs, they don't do one thing but sing their hearts out for us. That's why it's a sin to kill a mockingbird."

$$
\begin{gathered}
A=\ldots . . . . \text { Sit ups } \\
E=\ldots \ldots . . \text { Punches } \\
I=\ldots \ldots . \text { Squat jumps } \\
O=\ldots \ldots . \text { Press ups } \\
U=\ldots \ldots . \text { Burpees }
\end{gathered}
$$

## Escape Room 3



TASK: Work out the colour equations below and then complete the corresponding exercise for each colour the correct amount of times.

$$
\text { E.G. Black } \quad+\text { White = Grey (10 Lunges) }
$$



Yellow = 14 Press Ups
Grey $=10$ Lunges
Green = 12 Burpees

Pink $=20$ Star Jumps
Red $=8$ Hip Raises
Black $=16$ Star Jumps

Escape Room 4


## CHEMISTRY PUZZLE

TASK: Work out the equations using the periodic table to help you. Then complete the corresponding exercise for each answer the correct amount of times.
E.G. Silver (47) - cobalt (27) = 20 sit ups
1)Lithium ...... x Boron ...... = ...... Sits ups
2)Calcium ...... - Carbon ...... = ..... Press ups
3)Fluorine ...... + Hydrogen ...... = ...... Squats
4)Krypton ...... / Beryllium ...... = ...... Burpees

Turn over for the periodic table.

| H |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\stackrel{3}{4}$ | 2A <br> Be |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\mathrm{Na}^{\text {a }}$ | ${ }_{\text {mg }}^{\text {m }}$ |  |  |  |  |  |  |  |  |  |  |  |  |  | ${ }_{\text {A }}{ }^{8}$ |  | si | P | sis | 5 | c |  | ${ }^{\text {Ar }}$ |
| $\frac{k}{k}$ | ${ }_{\text {cosem }}$ |  | ${ }^{\frac{2}{17}}$ |  | $\stackrel{58}{v}$ | ${ }^{\text {c, }}$ | N |  | Fe | 为为 |  | Ni | ${ }_{\text {coum }}^{\text {coum }}$ | ${ }_{\text {2n }}^{\text {zn }}$ | ${ }_{6}{ }^{\text {a }}$ |  | ${ }_{\text {cie }}^{\text {cie }}$ | ${ }^{\text {As }}$ | ${ }_{\text {Se }}^{\text {sem }}$ | e | Br |  | ${ }_{\text {Kr }}^{\text {Kr }}$ |
| ${ }_{\text {R }}$ | st | ที | 2 |  | Nb | Mo | 1 |  | ${ }_{\text {Rum }}^{\text {Rum }}$ | Rh |  | pd | ${ }^{\text {Ag }}$ | cd | in |  | $\mathrm{sn}^{\text {nn }}$ | sb | Te | ${ }^{\text {e }}$ | 1 |  | ${ }_{\text {x }}$ |
| ${ }_{\text {cs }}{ }_{\text {cs }}$ | ${ }_{\text {Ba }}^{\text {Ba }}$ |  | ${ }_{\text {m }}$ |  | ${ }_{\text {ra }}$ | w | R | e | ${ }_{\substack{\circ \\ 0}}$ |  |  | ${ }_{\text {pt }}$ | ${ }_{\text {A }}^{\text {Am }}$ | ${ }_{\text {cim }}^{\text {Hg }}$ | ${ }^{\text {mid }}$ |  | ${ }_{\text {Pb }}^{\text {Pb }}$ | Bi | ${ }^{\circ} \mathrm{P}$ | - | ${ }_{\text {At }}$ |  | Rn |
|  | $\stackrel{\text { Ra }}{\text { Ra }}$ |  | ${ }_{\text {Rf }}$ |  | ${ }^{\text {ob }}$ | ss |  | h | , | mime |  | Ds | Rg | $\mathrm{cm}_{\text {n }}$ | Uu |  | ${ }^{\text {F }}$ | Uup | Lᄂ | v | Uus |  | Uo |


|  | 58 Ce <br> ${ }_{140.116}$ Cerium |  |  |  |  |  |  |  |  |  | ${ }^{68}$ <br> 157259 <br> Ebium |  | ${ }^{70}$ <br> 173054 <br> Ytebium | $\begin{gathered} \text { Lu } \\ \substack{174950 \\ \text { Hasim }} \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 98 | 100 | 101 | 102 | 103 |
| Ac <br> [227] | $\underset{23203805}{\text { Th }}$ | $\mathrm{Pa}$ $231.03588$ | $\underset{238}{\mathbf{U}}$ | $\begin{aligned} & \text { Np } \\ & {[237]} \end{aligned}$ | $\underset{\text { [244] }}{\mathrm{Pu}}$ | Am <br> [243] | Cm <br> [247] | Bk [247] | Cf [251] | Es <br> [252] | Fm <br> [257] | Md <br> [288] | No <br> [259] | $\begin{gathered} \mathrm{Lr} \\ {[268]} \end{gathered}$ |
| dirium | Thorium | Pestatiur | Uarium | Soturit | tomit | +mer | Curium | aratium | Grami | Enter | Fermium | natin | abelic |  |

Lanthanides



TASK: Find the objects on the map and use the coordinates to work out the answer. Then complete the corresponding exercises for each answer.
E.G. House: $(2,4)=2+4=6$ sit ups

1. LIGHTHOUSE: $\qquad$ $+$ $\qquad$ $=$ $\qquad$ Mountain climbers
2. ELEPHANT: $\qquad$ $+$ $\qquad$ $=$ $\qquad$ Squat jumps
3. GATE: $\qquad$ $+$ $\qquad$ $=$ $\qquad$ Burpees
4. TREES: $\qquad$ $+$ $\qquad$
$\qquad$ Punches
5. BOAT: $\qquad$ $+$ $\qquad$ $=$ $\qquad$ Russian twists


## Can You Handle the

Rules:
$\Rightarrow$ Your aim is to earn as many Chilli points as possible
$\Rightarrow$ You can't do the same level of spice twice in a row
$\Rightarrow$ You need to do a minimum of 15 exercises from the grid
If you are unsure of any exercises, use Google or change it to one you know :)

| Extra <br> Hot | 25 Squat jumps | 30 jumping lunges | butterfly situps | 3 minutes Of high knees | 2 min wall sit | 30 crunches | $35$ <br> burpees | 20 in $n$ out squat jumps |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Hot | $\begin{aligned} & 15 \text { in } n \\ & \text { out squat } \\ & \text { jumps } \end{aligned}$ | 20 sec <br> squat <br> hold | 2 min plank | 15 heel touches | 20 glute bridges | 20 press ups | 20 renegade rows | 15 side <br> plank $n$ reach |
| Mild | $1 \mathrm{~min}$ <br> heel kicks | 1 min plank | $15$ <br> burpees | 10 Russian twists |  | 15 for- <br> wards <br> lunges | 15 backwards luncges | 10 glute bridges |
| Lemon and Herb | 30s high knees | 10 <br> burpees | $\begin{gathered} \text { 30s } \\ \text { plank } \end{gathered}$ | 10 for- <br> wards <br> lunges | $10$ <br> squats | 15 press ups | 10 mountain climbers | 10 jumping jacks |



Extra Hot $=20$

Hot $=15$

Mild $=10$

