

## 1 Supplemental

### 2 *Description of each test item of the motor skill test*

#### 3 *The 20-meter sprint*

4 Task: Sprinting as fast as possible on a 20 meter distance.

5 Execution: Two attempts with an acoustic start signal. The timing was done on the finish line with an accuracy of  
6 1/100 seconds with a stopwatch.

7 Scoring: The better value of two attempts.

#### 8 *Backwards balance*

9 Task: balancing backwards over three beams of different widths consecutively.

10 Execution: balancing backwards over three beams (6 cm, 4.5 cm and 3 cm) from a starting board, with two  
11 attempts. One trial backward and one trial forward were performed in advance for each beam. The test was  
12 completed as soon as one foot touched the floor, eight steps were performed without error or the end of the  
13 beam was reached.

14 Scoring: Number of steps achieved, sum of two attempts.

#### 15 *Side Jumps*

16 Task: Side Jumps between two adjacent 50x50 cm fields with both legs, as fast as possible.

17 Execution: 5 trial jumps. Then two test attempts of 15 seconds with a one-minute break in-between.

18 Scoring: The number of correctly executed jumps during 15 seconds.

#### 19 *Stand and reach*

20 Task: Bending the upper body down as far as possible without bending the knees.

21 Execution: Standing on a box (without shoes) to which a centimeter scale was attached so that the sole level  
22 represented the zero point. With legs extended, the upper body was brought down until the maximum stretch  
23 position reached that could be held for two seconds.

24 No test trial. Two test attempts, briefly straightening up between them.

25 Scoring: The lowest point reached with the finger from two attempts.

#### 26 *Push-ups*

27 Task: As many push-ups as possible within 40 seconds.

28 Execution: Start was lying on a mat in prone position with hands touching on the back. At the start signal, hands  
29 were placed next to the shoulders and the body was pushed off the floor until the arms were fully extended.

30 Then one hand was released from the floor and touched the other hand. Both torso and legs were extended and

31 did not touch the floor. The attempt ended when the starting position was resumed. Two trial attempts, one  
 32 test run.

33 Scoring: The number of correctly performed attempts.

#### 34 ***Standing-Long Jump***

35 Task: Jumping as far as possible from a standing position with both legs.

36 Execution: Jumping and landing as far as possible with both legs from a standing position. Two valid attempts,  
 37 no trial attempts.

38 Scoring: The distance from the back heel to the take-off line, in centimeters.

#### 39 ***Sit-ups***

40 Task: As many sit-ups as possible within 40 seconds.

41 Execution: Starting lying on a mat in supine position, with feet up and legs bent (about 80°). The fingers held at  
 42 the temples, thumbs behind the earlobes. At the start signal, the upper body was lifted from the mat. Then the  
 43 upper body was placed back on the mat only up to the shoulders. Two trial attempts.

44 Scoring: The number of correctly performed sit-ups.

#### 45 ***Ergometry***

46 Task: Riding on an ergometer with increasing resistance until exhaustion.

47 Execution: The Godfrey protocol (1) was used with submaximal load until exhaustion. The wattage to be pedaled  
 48 was determined according to the subject's height (<1.20m= 10 Watt, 1.20m - 1.50m= 15 Watt, >1.50m=20 Watt)  
 49 and increased by 0.5 Watt/kg body weight every two minutes. The test was terminated when the subjective  
 50 exercise limit was reached, or the minimum speed of 50 rpm could not be pedaled for more than 20 seconds.  
 51 After the termination, three more minutes were run at low resistance.

52 Scoring: The maximum wattage per kg body weight.

53 **Short explanations of the movement impulses during class****Strength games**

|                  |  |
|------------------|--|
| The sudden squat | Running on the spot and squatting each time a prearranged sound can be heard during a song.  |
| The tree         | Two children standing opposite each other, with a third child in the middle as a "tree", swinging back and forth with a stable posture.        |
| Strength circle  | Performing various strength exercises (such as lunges, squats, cycling while sitting) for 30 seconds.  |
| Windmill         | Circling the arms like a windmill in different speeds and scope, according to the game leader's specified wind force.                          |
| Movement series  | Executing a specific strength exercise (such as squats, pushups, planks) according to the previously allocated numbers.                        |
| Strength cap     | Performing already known strength exercises (such as a lunges, deep sidesquat) with a paper between two children as a connecting point.        |
| The wrong story  | Listening to a story in the deep squat position and jumping up once when a false statement occurs in the story.                                |
| Sing my song     | Singing a song together, a strength exercise (such as push-ups, burpees) is performed each time a pre-determined word of the song text occurs. |
| Higher / lower   | Jumping up if the result is higher than the number written on the board and doing a push-up if the result is lower.                            |
| Divisible        | Counting in turn. If the number is divisible by a pre-determined number, a lunge is performed.   |

**Endurance games**

|                    |  |
|--------------------|--|
| Fidget time        | Fidgeting with the body as strong as possible, freezing at a predefined signal and starting to fidget again.   |
| The hot seat       | Performing an endurance task (such as jumping jacks, knee lever ups) sitting on the chair and jumping up after the game leader says <i>hot</i> and performing the task in a standing position. |
| Fruit salad        | Kneeling on the spot and starting to jump, when the individual predetermined fruit is mentioned until another fruit is mentioned.  |
| Packing a suitcase | Running on a spot and completing the sentence "I'm packing my suitcase and take with me..." accompanied by a suitable movement. The next child has to repeat and pack another thing.           |
| Magnetic floor     | Walking/jumping through the classroom, the children have to bring the given body parts as quickly as possible to the floor after the signal "magnetic floor".                                  |

|                                |   |
|--------------------------------|---|
| Dashing up and down the stairs | Running up and down the stairs in various alternatives (such as running sideways, skipping a step, jumping) given by the game leader.   |
| Visit to the zoo               | Walking through the classroom or running on the spot, the game leader names animals to be imitated in their movements.  |
| 30 seconds game                | Performing various endurance exercises for 30 seconds (such as jumping jacks, kneeling, alternating jumps)  |
| Fire, Water, Storm             | Performing jumping jacks and reacting with a predefined exercise such as running on the spot (fire), swimming movement (water) and planking (storm) to every signal word.             |
| ABC                            | Reciting the alphabet together and starting to circle the arms, when the letter of your surname is mentioned and changing to kneeling when the letter of the first name is mentioned. |

### ***Coordination games***

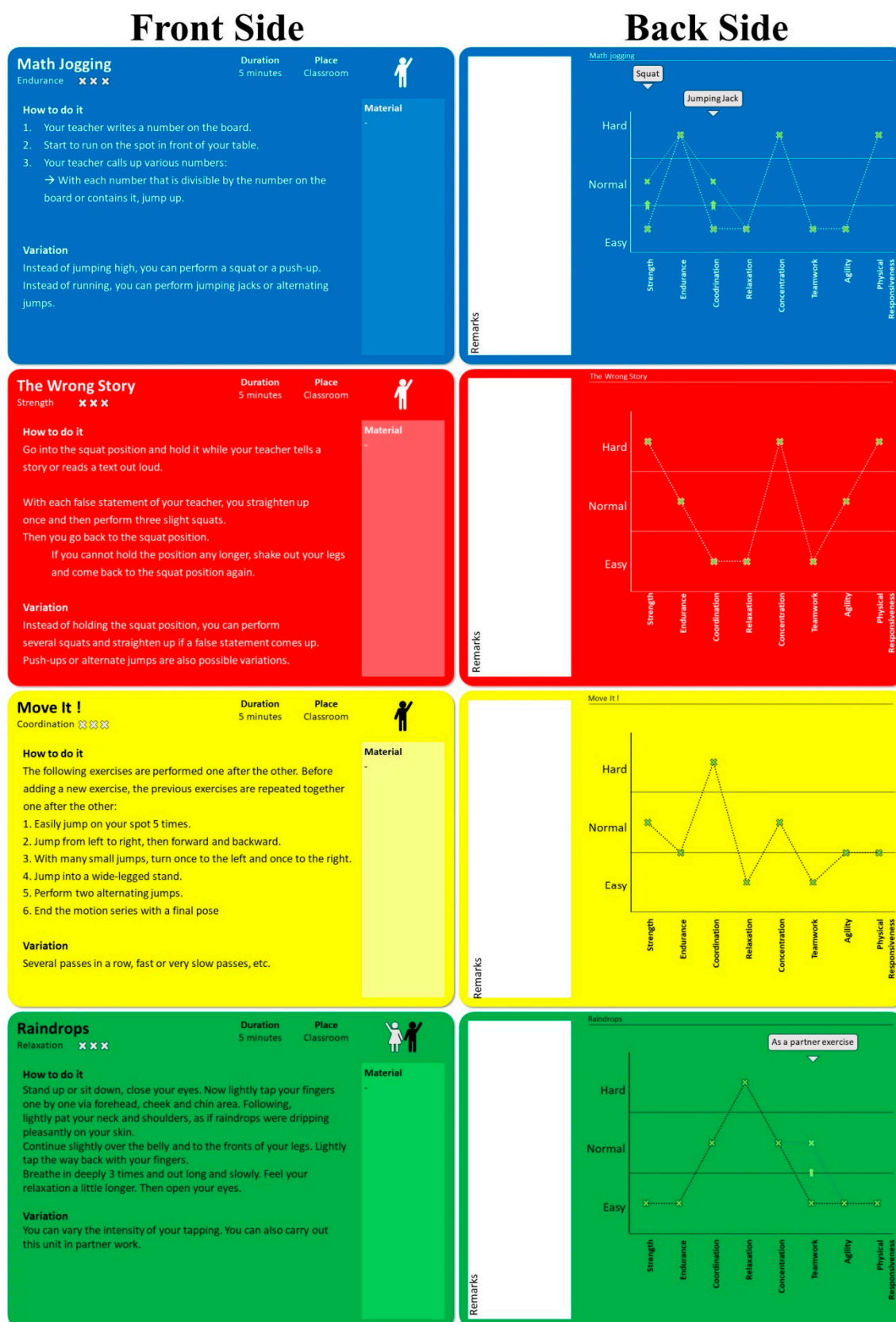
|                   |  |
|-------------------|--|
| Paddleboat        | Performing a pedaling movement with the legs in a sitting position as if sitting in a paddleboat with signals for faster and slower movements, changes of direction and additional arm movements.  |
| The opposite game | Running on the spot and performing the opposite movement the game leader demonstrates while the game leader demonstrates (arms up/down, right/left).   |
| Balancing act     | Balancing a ruler on the hand/finger and walking around the classroom. Editing further movement tasks after the initial phase (such as standing on one leg, with closed eyes, moving the other arm up and down).   |
| Corkscrew         | Throwing a cork into the hand of a partner. Once this task is well mastered, the difficulty is increased (standing on one leg, clapping hands while the cork flies, running on the spot, etc.)   |
| Zig Zag Ball      | Throwing a small ball in a certain order, then a second ball with another certain order is added.  |
| Move it           | Performing the following movements in sequence with the focus on coordination, with variable tempo and direction: jumping on the spot 5 times, jumping forth and back, jumping sideways 2 times, jumping in a circle 2 times, small straddle, small lunge, final pose. |
| Moving memory     | Children form pairs. Each pair secretly agrees on a coordinative exercise (such as jumping jacks, left hand to the right foot and the other way around.). Children are then selected one at a time to perform this exercise, until all pairs have been found.          |
| Circling arms     | Circling the arms according to the given tempo and direction with additional tasks like jumping on one leg.  |

|             |   |
|-------------|---|
| Simon says  | Drumming with the fingers on the table, the game leader calls coordinative exercises (such as standing on one leg, circling arms in opposite directions) which are performed only, if command "Simon says" is mentioned before. |
| Jumping leg | Jumping according to the given commands: right leg twice and left leg once, sideways, forward or backwards, on one leg fast/slow etc.   |

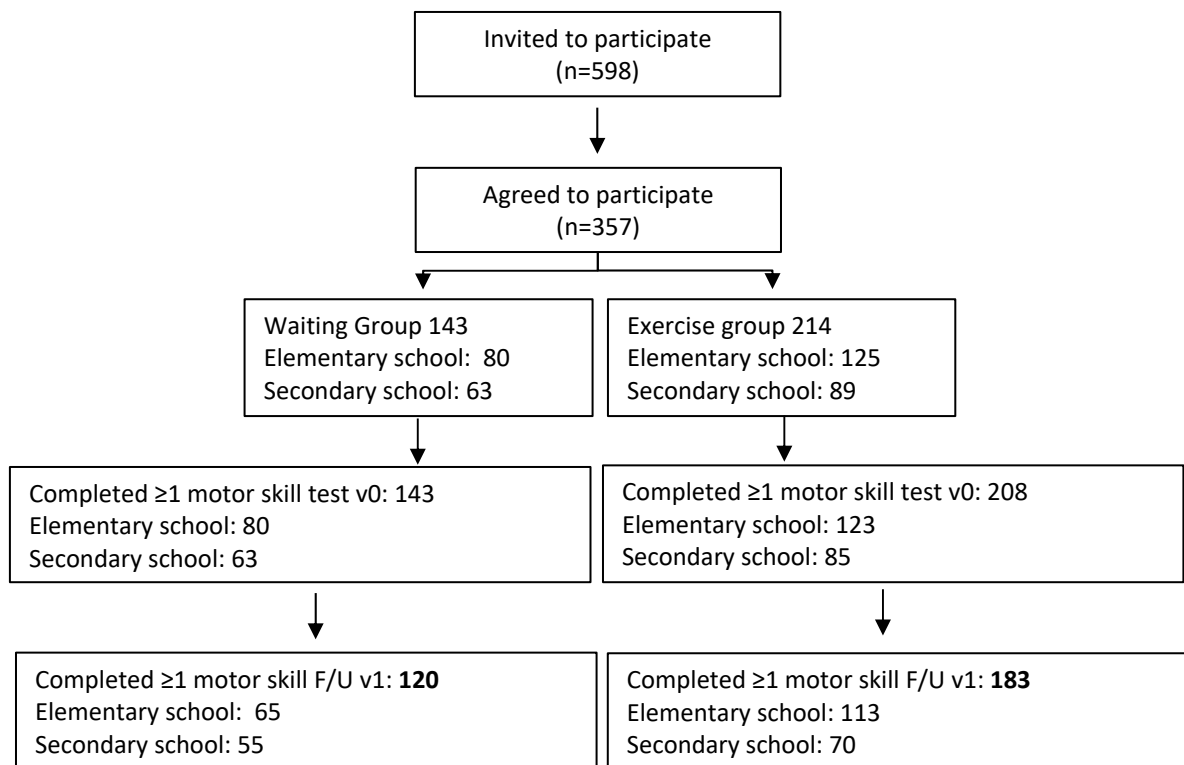
### ***Relaxation games***

|                    |   |
|--------------------|---|
| Raindrops          | Lightly tapping with the fingers over different parts of the body as if raindrops were touching them.   |
| The moving shadow  | Imitating the slow, large and smooth movements of a partner, breathing slow and deep.   |
| Ball massage       | Massaging the hands by circling a small ball with one hand on the table and afterwards the feet, thighs and arms.                                 |
| Stretch and strain | Stretching: Trying to be as big as possible, strain: stretching as it is comfortable, circles: circle the hips, hands and head, tease: make faces |
| Pizza game         | Imitating the process of pizza baking on the back of a partner: Stroking the back with the hands, smearing the sauce on the dough, etc.           |
| Animal Yoga        | Imitating animals with slow movements such as slow and big steps like an elephant accompanied with deep breathing.                                |
| Growing flower     | Imitating the growth process of a flower through the seasons, from a small stooped posture to a stretching position.                              |
| Relaxed eyes       | Placing warm hands rubbed together in advance on the closed eyes, breathing deeply in and out   |
| Stroking           | Stroking on the legs, the arms, the belly and face. Slow, lightly accompanied with deep breathing.  |
| Make a fist        | In a seated position making and opening a fist and concentrating to the feeling of Tension and relaxation.  |

Variations of movements are suggested to the teachers on the index cards.

55 **Figure S1.** Examples of Index cards used in class

**Figure S2.** Flow diagram



v0= Baseline examination, v1=Follow-up examination

| <b>Table S1</b> Results of the motor skills at baseline, stratified by sex                       |                  |     |                  |     |                  |
|--|------------------|-----|------------------|-----|------------------|
|  | Boys             |     | Girls            |     | p                |
|  | Mean $\pm$ SD    | n   | Mean $\pm$ SD    | n   |                  |
| Sprint (sec)   | 4.4 $\pm$ 0.5    | 148 | 4.6 $\pm$ 0.4    | 134 | <b>&lt;0.001</b> |
| Backwards Balance (steps)  | 29.3 $\pm$ 9.9   | 140 | 28.8 $\pm$ 10.3  | 121 | 0.663            |
| Side Jumps (jumps)   | 26.3 $\pm$ 7.2   | 143 | 25.5 $\pm$ 6.8   | 129 | 0.349            |
| Stand and reach (cm)   | -2.9 $\pm$ 6.2   | 131 | 1.9 $\pm$ 7.0    | 110 | <b>&lt;0.001</b> |
| Push-ups (repetitions)   | 12.7 $\pm$ 4.0   | 138 | 12.8 $\pm$ 3.3   | 117 | 0.823            |
| Sit-ups (repetitions)  | 19.8 $\pm$ 6.4   | 148 | 17.9 $\pm$ 5.7   | 133 | <b>0.011</b>     |
| Standing long jump (cm)  | 134.5 $\pm$ 26.4 | 148 | 120.6 $\pm$ 19.6 | 134 | <b>&lt;0.001</b> |
| Ergometry (W/kg)   | 3.3 $\pm$ 0.7    | 155 | 2.9 $\pm$ 0.5    | 140 | <b>&lt;0.001</b> |
| Abbreviations: WG, Waiting group; EG, Exercise group; SD, Standard deviation. p<0.05 are bolded. |                  |     |                  |     |                  |

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| <b>Table S2</b> Results of the motor skills at baseline, stratified by age group                 |                       |     |                       |     |                  |
|--|-----------------------|-----|-----------------------|-----|------------------|
|  | 2 <sup>nd</sup> grade |     | 5 <sup>th</sup> grade |     | p                |
|  | Mean $\pm$ SD         | n   | Mean $\pm$ SD         | n   |                  |
| Sprint (sec)   | 4.6 $\pm$ 0.4         | 169 | 4.4 $\pm$ 0.5         | 113 | <b>&lt;0.001</b> |
| Backwards Balance (steps)  | 28.5 $\pm$ 10.0       | 148 | 29.8 $\pm$ 10.1       | 113 | 0.327            |
| Side Jumps (jumps)   | 23.6 $\pm$ 6.1        | 159 | 29.2 $\pm$ 7.0        | 113 | <b>&lt;0.001</b> |
| Stand and reach (cm)   | 1.6 $\pm$ 3.4         | 127 | -3.3 $\pm$ 6.8        | 114 | <b>&lt;0.001</b> |
| Push-ups (repetitions)   | 12.6 $\pm$ 3.5        | 141 | 12.9 $\pm$ 3.9        | 114 | 0.500            |
| Sit-ups (repetitions)  | 18.5 $\pm$ 6.0        | 167 | 19.4 $\pm$ 6.3        | 114 | 0.424            |
| Standing long jump (cm)  | 122.4 $\pm$ 22.5      | 169 | 136.2 $\pm$ 24.8      | 113 | <b>&lt;0.001</b> |
| Ergometry (W/kg)   | 3.1 $\pm$ 0.7         | 175 | 3.1 $\pm$ 0.7         | 120 | 0.402            |
| Abbreviations: WG, Waiting group; EG, Exercise group; SD, Standard deviation. p<0.05 are bolded. |                       |     |                       |     |                  |

**Table S3** Results of the motor skills at baseline, stratified by BMI category

|                           | Non-Overweight   |     | Overweight       |    | p                |
|---------------------------|------------------|-----|------------------|----|------------------|
|                           | Mean $\pm$ SD    | n   | Mean $\pm$ SD    | n  |                  |
| Sprint (sec)              | 4.5 $\pm$ 0.4    | 207 | 4.7 $\pm$ 0.5    | 74 | <b>&lt;0.001</b> |
| Backwards Balance (steps) | 30.9 $\pm$ 9.6   | 193 | 23.9 $\pm$ 9.8   | 67 | <b>&lt;0.001</b> |
| Side Jumps (jumps)        | 26.6 $\pm$ 7.1   | 197 | 24.1 $\pm$ 6.8   | 74 | <b>0.009</b>     |
| Stand and reach (cm)      | -0.5 $\pm$ 6.8   | 175 | -1.4 $\pm$ 7.5   | 65 | 0.372            |
| Push-ups (repetitions)    | 13.3 $\pm$ 3.6   | 187 | 11.1 $\pm$ 3.4   | 67 | <b>&lt;0.001</b> |
| Sit-ups (repetitions)     | 19.7 $\pm$ 5.7   | 208 | 16.5 $\pm$ 6.7   | 72 | <b>&lt;0.001</b> |
| Standing long jump (cm)   | 132.1 $\pm$ 23.9 | 207 | 116.1 $\pm$ 22.0 | 74 | <b>&lt;0.001</b> |
| Ergometry (W/kg)          | 3.3 $\pm$ 0.6    | 216 | 2.5 $\pm$ 0.5    | 79 | <b>&lt;0.001</b> |

Abbreviations: WG, Waiting group; EG, Exercise group; SD, Standard deviation.  $p < 0.05$  are bolded.

| <b>Table S4a</b> Change in the sprint test ( $\Delta$ sec), n=272  |              |              |                  |
|--|--------------|--------------|------------------|
|  | $\beta$      | SE           | p                |
| Intercept  | -0.325       | 0.067        | <0.001           |
| EG (Ref: WG)   | 0.084        | 0.086        | 0.329            |
| WG*female (Ref: WG*male)   | 0.065        | 0.080        | 0.4171           |
| EG*female (Ref: EG*male)   | -0.059       | 0.062        | 0.345            |
| <b>WG*5<sup>th</sup> grade (Ref: WG*2<sup>nd</sup> grade)</b>  | <b>0.347</b> | <b>0.080</b> | <b>&lt;0.001</b> |
| EG*5 <sup>th</sup> grade (Ref: EG*2 <sup>nd</sup> grade)   | -0.096       | 0.065        | 0.137            |
| WG*overweight (Ref: WG*non-overweight)   | -0.069       | 0.090        | 0.445            |
| EG*overweight (Ref: EG*non-overweight)   | 0.084        | 0.073        | 0.246            |
| Abbreviations: WG, Waiting group; EG, Exercise group; $\beta$ Regression Coefficient; SE, Standard Error; p<0.05 are bolded. |              |              |                  |

| <b>Table S4b</b> Improvement in Balance ( $\Delta$ steps), n=250   |               |              |                  |
|--|---------------|--------------|------------------|
|  | $\beta$       | SE           | p                |
| Intercept  | 2.715         | 1.524        | 0.076            |
| <b>EG (Ref: WG)</b>  | <b>5.308</b>  | <b>1.927</b> | <b>0.006</b>     |
| WG*female (Ref: WG*male)   | 3.532         | 1.796        | 0.0504           |
| EG*female (Ref: EG*male)   | -0.272        | 1.388        | 0.845            |
| WG*5 <sup>th</sup> grade (Ref: WG*2 <sup>nd</sup> grade)   | -0.311        | 1.774        | 0.861            |
| <b>EG*5<sup>th</sup> grade (Ref: EG*2<sup>nd</sup> grade)</b>  | <b>-4.934</b> | <b>1.426</b> | <b>&lt;0.001</b> |
| WG*overweight (Ref: WG*non-overweight)   | -2.707        | 1.978        | 0.173            |
| EG*overweight (Ref: EG*non-overweight)   | 0.163         | 1.655        | 0.922            |
| Abbreviations: WG, Waiting group; EG, Exercise group; $\beta$ Regression Coefficient; SE, Standard Error; p<0.05 are bolded. |               |              |                  |

| <b>Table S4c</b> Improvement in Side Jump ( $\Delta$ jumps), n=256   |         |       |        |
|--|---------|-------|--------|
|  | $\beta$ | SE    | p      |
| Intercept  | 4.250   | 1.003 | <0.001 |
| EG (Ref: WG)   | 1.047   | 1.290 | 0.418  |
| WG*female (Ref: WG*male)   | -0.885  | 1.176 | 0.452  |
| EG*female (Ref: EG*male)   | 0.671   | 0.943 | 0.477  |
| WG*5 <sup>th</sup> grade (Ref: WG*2 <sup>nd</sup> grade)   | -0.870  | 1.174 | 0.459  |
| EG*5 <sup>th</sup> grade (Ref: EG*2 <sup>nd</sup> grade)   | -0.218  | 0.965 | 0.822  |
| WG*overweight (Ref: WG*non-overweight)   | -0.145  | 1.310 | 0.912  |
| EG*overweight (Ref: EG*non-overweight)   | -0.829  | 1.070 | 0.439  |
| Abbreviations: WG, Waiting group; EG, Exercise group; $\beta$ Regression Coefficient; SE, Standard Error; p<0.05 are bolded. |         |       |        |

| <b>Table S4d</b> Improvement in Stand and Reach ( $\Delta$ cm), n=230  |         |       |       |
|--|---------|-------|-------|
|  | $\beta$ | SE    | p     |
| Intercept  | -1.261  | 0.966 | 0.193 |
| EG (Ref: WG)   | 1.584   | 1.250 | 0.206 |
| WG*female (Ref: WG*male)   | 0.620   | 1.120 | 0.581 |
| EG*female (Ref: EG*male)   | 0.761   | 0.902 | 0.399 |
| WG*5 <sup>th</sup> grade (Ref: WG*2 <sup>nd</sup> grade)   | 0.852   | 1.105 | 0.442 |
| EG*5 <sup>th</sup> grade (Ref: EG*2 <sup>nd</sup> grade)   | 0.784   | 0.910 | 0.390 |
| WG*overweight<br>(Ref: WG*non-overweight)  | -0.117  | 1.232 | 0.924 |
| EG*overweight (Ref: EG*non-overweight)   | 0.632   | 1.029 | 0.540 |
| Abbreviations: WG, Waiting group; EG, Exercise group; $\beta$ Regression Coefficient; SE, Standard Error; p<0.05 are bolded. |         |       |       |

| <b>Table S4e</b> Improvement in Push-ups ( $\Delta$ push-ups), n=239   |               |              |              |
|--|---------------|--------------|--------------|
|  | $\beta$       | SE           | p            |
| Intercept  | 4.259         | 0.685        | <0.001       |
| EG (Ref: WG)   | -0.992        | 0.883        | 0.263        |
| <b>WG*female (Ref: WG*male)</b>  | <b>-1.826</b> | <b>0.802</b> | <b>0.024</b> |
| EG*female (Ref: EG*male)   | 0.914         | 0.648        | 0.160        |
| <b>WG*5<sup>th</sup> grade (Ref: WG*2<sup>nd</sup> grade)</b>  | <b>-1.879</b> | <b>0.793</b> | <b>0.019</b> |
| <b>EG*5<sup>th</sup> grade (Ref: EG*2<sup>nd</sup> grade)</b>  | <b>-1.405</b> | <b>0.658</b> | <b>0.034</b> |
| WG*overweight (Ref: WG*non-overweight)   | -0.115        | 0.898        | 0.898        |
| EG*overweight (Ref: EG*non-overweight)   | 0.091         | 0.742        | 0.903        |
| Abbreviations: WG, Waiting group; EG, Exercise group; $\beta$ Regression Coefficient; SE, Standard Error; p<0.05 are bolded. |               |              |              |

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| <b>Table S4f</b> Improvement in Sit-ups ( $\Delta$ sit-ups), n=264   |              |              |              |
|--|--------------|--------------|--------------|
|  | $\beta$      | SE           | p            |
| Intercept  | 1.714        | 0.867        | 0.049        |
| EG (Ref: WG)   | -0.171       | 1.125        | 0.880        |
| WG*female (Ref: WG*male)   | -1.834       | 1.047        | 0.081        |
| <b>EG*female (Ref: EG*male)</b>  | <b>1.862</b> | <b>0.835</b> | <b>0.027</b> |
| WG*5 <sup>th</sup> grade (Ref: WG*2 <sup>nd</sup> grade)   | -0.940       | 1.047        | 0.370        |
| EG*5 <sup>th</sup> grade (Ref: EG*2 <sup>nd</sup> grade)   | -0.838       | 0.862        | 0.332        |
| WG*overweight (Ref: WG*non-overweight)   | 0.168        | 1.208        | 0.889        |
| EG*overweight (Ref: EG*non-overweight)   | -0.676       | 0.967        | 0.485        |
| Abbreviations: WG, Waiting group; EG, Exercise group; $\beta$ Regression Coefficient; SE, Standard Error; p<0.05 are bolded. |              |              |              |

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| <b>Table S4g</b> Improvement in Standing Long Jumps ( $\Delta$ jumps), n=269   |               |              |              |
|--|---------------|--------------|--------------|
|  | $\beta$       | SE           | p            |
| Intercept  | 12.931        | 2.719        | <0.001       |
| EG (Ref: WG)   | -2.069        | 3.524        | 0.558        |
| WG*female (Ref: WG*male)   | -3.868        | 3.274        | 0.239        |
| EG*female (Ref: EG*male)   | 3.466         | 2.599        | 0.183        |
| WG*5 <sup>th</sup> grade (Ref: WG*2 <sup>nd</sup> grade)   | -2.434        | 3.276        | 0.458        |
| EG*5 <sup>th</sup> grade (Ref: EG*2 <sup>nd</sup> grade)   | -4.484        | 2.693        | 0.097        |
| WG*overweight (Ref: WG*non-overweight)   | -3.800        | 3.694        | 0.305        |
| <b>EG*overweight (Ref: EG*non-overweight)</b>  | <b>-6.864</b> | <b>3.008</b> | <b>0.023</b> |
| Abbreviations: WG, Waiting group; EG, Exercise group; $\beta$ Regression Coefficient; SE, Standard Error; p<0.05 are bolded. |               |              |              |

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| <b>Table S4h</b> Improvement in Ergometry ( $\Delta$ Watt/kg), n=268   |               |              |                  |
|--|---------------|--------------|------------------|
|  | $\beta$       | SE           | p                |
| Intercept  | 0.002         | 0.065        | 0.981            |
| <b>EG (Ref: WG)</b>  | <b>0.322</b>  | <b>0.084</b> | <b>&lt;0.001</b> |
| WG*female (Ref: WG*male)   | -0.052        | 0.077        | 0.502            |
| EG*female (Ref: EG*male)   | -0.083        | 0.061        | 0.176            |
| WG*5 <sup>th</sup> grade (Ref: WG*2 <sup>nd</sup> grade)   | 0.018         | 0.077        | 0.816            |
| <b>EG*5<sup>th</sup> grade (Ref: EG*2<sup>nd</sup> grade)</b>  | <b>-0.216</b> | <b>0.064</b> | <b>&lt;0.001</b> |
| WG*overweight (Ref: WG*non-overweight)   | -0.111        | 0.086        | 0.202            |
| EG*overweight (Ref: EG*non-overweight)   | -0.119        | 0.070        | 0.089            |
| Abbreviations: WG, Waiting group; EG, Exercise group; $\beta$ Regression Coefficient; SE, Standard Error; p<0.05 are bolded. |               |              |                  |

95 **Supplement References**

- 96 (1) Godfrey S, Davies CT, Wozniak E, Barnes CA. Cardio-respiratory response to exercise in normal  
 97 children. Clin Sci 1971 May;40(5):419-431.