

| | Number of pupils | Number of male pupils | Number of female pupils |
|----------|------------------|-----------------------|-------------------------|
| Overall | 182 | 92 | 90 |
| School 1 | 30 | 18 | 12 |
| School 2 | 99 | 54 | 45 |
| School 3 | 53 | 20 | 33 |

Table 1: Number of pupils (overall, per school and gender) that completed the two questionnaires

| ATTITUDES TO SCHOOL | | | | | | |
|----------------------------|----------------------|----------------------|---|-----------------------------|--------------------------|--------------------------------|
| PHASE I | | | | | | |
| | Y6 Time 1 | Y7 Time 2 | End of Y7 Time 3 | Number of pupils | Wilk's Lambda | Partial Eta Squared |
| All schools | 73.13 | 72.21 | 70.06 (p<.05 from time 1 to time 3) | 131 | .956 | .044 |
| 1 | 77.73 | 74.42 | 71.94 (non.sign.) | 19 | .851 | .149 |
| 2 | 72.75 | 71.67 | 67.93 (p<.05 from time 2 to time 3, p<.05 from time 1 to time 3) | 74 | .886 | .114 |
| 3 | 73.45 | 74.3 | 71.5 (non.sign.) | 40 | .951 | .049 |

Table 2: Pupils' Attitudes to School (July 2011, November 2012, July 2012)

| ATTITUDES TO SCHOOL – All schools | | | |
|--|--|--------------------------|---|
| | School Enjoyment | Misery/loneliness | Satisfaction with the work environment |
| Time 1 | 23.47 | 27.26 | 22.55 |
| Time 2 | 22.31 | 27.63 | 21.82 |
| Time 3 | 20.93 | 27.41 | 21.57 |
| Number of pupils | 165 | 155 | 161 |
| Wilk's Lambda | .875 | .997 | .960 |
| Partial Eta Squared | .125 | .003 | .040 |
| Significance | p<.05 from time 1 to 2 p<.01 from time 2 to 3 and from time 1 to 3 | Non-significant | p<.05 from time 1 to 3 |

Table 3: Pupils' mean responses and comparisons in attitudes between time 1 and 3 for the three subscales (school enjoyment, misery/loneliness and satisfaction with the work environment)

| | | TIME 1 | | TIME 2 | | TIME 3 | |
|---|---------------------|-----------|----------------|-----------|----------------|-----------|----------------|
| | | Mean | Std. deviation | Mean | Std. deviation | Mean | Std. deviation |
| Overall attitudes | Males | 70.77 | 11.53 | 71.02 | 10.04 | 69.55 | 11.93 |
| | Females | 75.54 | 9.18 | 73.24 | 10.49 | 71.64 | 10.67 |
| | <i>Significance</i> | p<.01 | | non-sign. | | non-sign. | |
| School enjoyment | Males | 22.07 | 4.74 | 21.36 | 4.43 | 20.29 | 5.09 |
| | Females | 24.8 | 3.53 | 23.28 | 4.42 | 21.96 | 4.7 |
| | <i>Significance</i> | p<.01 | | p<.01 | | p<.05 | |
| Misery/ Loneliness | Males | 26.51 | 5.87 | 27.36 | 4.9 | 27.13 | 6.54 |
| | Females | 27.89 | 4.83 | 28.09 | 4.8 | 27.83 | 5.17 |
| | <i>Significance</i> | non-sign. | | non-sign. | | non-sign. | |
| Satisfaction with the work environment | Males | 22.31 | 4.29 | 21.7 | 3.5 | 21.63 | 4.06 |
| | Females | 22.68 | 3.32 | 21.7 | 3.8 | 21.63 | 3.38 |
| | <i>Significance</i> | non-sign. | | non-sign. | | non-sign. | |

Table 4: Male and female pupils' attitudes to school for the whole scale and for the separate subscales (July 2011, November 2012, July 2012)

| School Enjoyment | | | | | | | |
|---|--------|----------------|--------|----------------|--------|----------------|--------------|
| | Time 1 | | Time 2 | | Time 3 | | Significance |
| | Mean | Std. Deviation | Mean | Std. Deviation | Mean | Std. Deviation | |
| 1. I think my teachers are friendly. | 3.35 | .591 | 3.20 | .685 | 3.10 | .759 | p=.003 |
| 2. I think most school work is just to keep us busy. | 2.91 | 1.042 | 2.78 | .939 | 2.71 | .967 | non-sign. |
| 4. I think that my teachers take notice of what I need. | 3.21 | .911 | 3.14 | .748 | 2.93 | .895 | p=.011 |
| 7. I look forward to coming to school most days. | 2.97 | 1.013 | 2.73 | 1.032 | 2.59 | 1.071 | =.003 |
| 8. I don't really enjoy anything about school. | 3.13 | .964 | 3.05 | .990 | 2.87 | .992 | p=.003 |
| 9. I like school better than most other children. | 2.34 | 1 | 2.30 | .968 | 2.25 | 1.031 | non-sign. |
| 18. I wish we did things we like instead of being told. | 2.29 | 1.049 | 2.02 | .901 | 1.80 | .848 | p=.0 |
| 23. I like my teachers | 3.28 | .978 | 2.95 | .915 | 2.83 | .954 | p=.0 |

Table 5: Means and standard deviations for the School Enjoyment sub-scale items (Time 1: end of Year 6, Time 2: November of Year 7, Time 3: end of Year 7).

| Misery/Loneliness | | | | | | | |
|---|-------|----------------|--------|----------------|--------|----------------|--------------|
| | Time1 | | Time 2 | | Time 3 | | Significance |
| | Mean | Std. Deviation | Mean | Std. Deviation | Mean | Std. Deviation | |
| 3. Nobody at school seems to take any notice of me. | 3.20 | .979 | 3.01 | .966 | 3.11 | .974 | non-sign. |
| 5. People like me will never do well at school. | 3.25 | .959 | 3.26 | .855 | 3.17 | .948 | non-sign. |
| 10. Sometimes I feel lost and alone at school. | 3.22 | .969 | 3.39 | .842 | 3.42 | .862 | non-sign. |
| 12. I don't belong to many friendship groups at school. | 2.99 | 1.080 | 3.16 | .947 | 3.06 | 1.017 | non-sign. |
| 14. I don't have as many friends as I'd like at school. | 3.08 | 1.122 | 3.25 | .980 | 3.20 | 1.019 | non-sign. |
| 15. I'm afraid that I'll make a fool of myself in class. | 2.86 | 1.086 | 2.80 | 1.058 | 2.82 | 1.069 | non-sign. |
| 19. People like me don't have much luck at school. | 3.01 | .997 | 3.03 | .922 | 2.91 | .993 | non-sign. |
| 21. I am afraid to tell teachers when I don't understand. | 2.86 | 1.108 | 2.92 | 1.005 | 2.94 | 1.067 | non-sign. |
| 24. I have trouble keeping up with my work. | 2.74 | 1.081 | 2.90 | 1.022 | 2.92 | 1.041 | non-sign. |

Table 6: Means and standard deviations for the Misery/Loneliness sub-scale items (Time 1: end of Year 6, Time 2: November of Year 7, Time 3: end of Year 7).

| Satisfaction with the work environment | | | | | | | |
|---|--------|----------------|--------|----------------|--------|----------------|--------------|
| | Time 1 | | Time 2 | | Time 3 | | Significance |
| | Mean | Std. Deviation | Mean | Std. Deviation | Mean | Std. Deviation | |
| 6. I usually feel relaxed about school. | 3.04 | 1.046 | 2.86 | .918 | 2.97 | .936 | non-sign. |
| 11. I am making good progress with my work. | 3.51 | .602 | 3.38 | .678 | 3.29 | .734 | p=.008 |
| 13. When we do tests I feel confident I'll do well. | 3.02 | .866 | 2.77 | .914 | 2.89 | .9 | p=.035 |
| 16. In class I'm often able to work with people I like. | 3.34 | .901 | 3.08 | .928 | 3.11 | .957 | p=.022 |
| 17. I'm quite pleased with how school work is going. | 3.33 | .822 | 3.25 | .836 | 3.24 | .756 | non-sign. |
| 20. I am liked by most of the other children in my class. | 3.06 | 1.047 | 3.19 | .810 | 3.11 | .871 | non-sign. |
| 22. Others in class include me in what they are doing. | 3.15 | .980 | 3.13 | .799 | 3.03 | .875 | non-sign. |

Table 7: Means and standard deviations for the Satisfaction with the Work Environment subscale items (Time 1: end of Year 6, Time 2: November of Year 7, Time 3: end of Year 7).

| SCHOOL ENJOYMENT Questionnaire items | TIME 1 | | | TIME 3 | | |
|---|--------------|----------------|-------|--------------|----------------|-------|
| | Male N=92 | Female N=90 | Sign. | Male N=92 | Female N=90 | Sign. |
| 1. I think my teachers are friendly. | 3.23 | 3.47 | ** | 3.04 | 3.16 | x |
| 2. I think most school work is just to keep us busy. | 2.78 | 3.04 | x | 2.55 | 2.89 | ** |
| 4. I think that my teachers take notice of what I need. | 3.11 | 3.31 | x | 2.83 | 3.03 | x |
| 7. I look forward to coming to school most days. | 2.79 | 3.19 | ** | 2.58 | 2.61 | x |
| 8. I don't really enjoy anything about school. | 2.79 | 3.47 | ** | 2.7 | 3.06 | ** |
| 9. I like school better than most other children. | 2.23 | 2.46 | x | 2.17 | 2.34 | x |
| 18. I wish we did things we like instead of being told. | 2.13 | 2.44 | * | 1.65 | 1.95 | ** |
| 23. I like my teachers. | 3.07 | 3.49 | ** | 2.74 | 2.93 | x |

Table 8 : Means and comparison between male and female pupils for the School Enjoyment subscale in Time 1 and Time 3

| MISERY/LONELINESS Questionnaire items | TIME 1 | | | TIME 3 | | |
|---|--------------|----------------|-------|--------------|----------------|-------|
| | Male N=92 | Female N=90 | Sign. | Male N=92 | Female N=90 | Sign. |
| 3. Nobody at school seems to take any notice of me. | 3.09 | 3.32 | x | 3.08 | 3.15 | x |
| 5. People like me will never do well at school. | 3.18 | 3.32 | x | 3.12 | 3.22 | x |
| 10. Sometimes I feel lost and alone at school. | 3.23 | 3.21 | x | 3.41 | 3.43 | x |
| 12. I don't belong to many friendship groups at school. | 2.97 | 3.01 | x | 2.99 | 3.14 | x |
| 14. I don't have as many friends as I'd like at school. | 2.98 | 3.19 | x | 3.29 | 3.1 | x |
| 15. I'm afraid that I'll make a fool of myself in class. | 2.90 | 2.81 | x | 2.9 | 2.73 | x |
| 19. People like me don't have much luck at school. | 2.87 | 3.16 | * | 2.85 | 2.97 | x |
| 21. I am afraid to tell teachers when I don't understand. | 2.83 | 2.89 | x | 2.95 | 2.94 | x |
| 24. I have trouble keeping up with my work. | 2.61 | 2.87 | x | 2.68 | 3.18 | ** |

Table 9 : Means and comparison between male and female pupils for the Misery/Loneliness subscale in Time 1 and Time 3

| SATISFACTION WITH THE WORK ENVIRONMENT | TIME 1 | | | TIME 3 | | |
|---|--------------|----------------|-------|------------|--------------|-------|
| | Male N=92 | Female N=90 | Sign. | Male N= | Female N= | Sign. |
| Questionnaire items | | | | | | |
| 6. I usually feel relaxed about school. | 2.99 | 3.10 | x | 2.98 | 2.95 | x |
| 11. I am making good progress with my work. | 3.43 | 3.58 | x | 3.24 | 3.34 | x |
| 13. When we do tests I feel confident I'll do well. | 3.09 | 2.94 | x | 3.06 | 2.7 | ** |
| 16. In class I'm often able to work with people I like. | 3.32 | 3.37 | x | 3 | 3.23 | x |
| 17. I'm quite pleased with how school work is going. | 3.22 | 3.44 | x | 3.24 | 3.23 | x |
| 20. I am liked by most of the other children in my class. | 3.04 | 3.08 | x | 3.15 | 3.07 | x |
| 22. Others in class include me in what they are doing. | 3.16 | 3.13 | x | 2.96 | 3.11 | x |

Table 10 : Means and comparison between male and female pupils for the Satisfaction with the Work Environment subscale in Time 1 and Time 3

| Structure Matrix | | | | |
|--|-------------|-------------|-------|-------------|
| | Factor | | | |
| | 1 | 2 | 3 | 4 |
| 1. I like music more than any other school subject. | .562 | .650 | -.372 | .471 |
| 2. I enjoy singing in class. | .671 | .238 | -.183 | .415 |
| 3. I like making music with my friends in class. | .778 | .291 | -.380 | .266 |
| 4. We should have fewer music lessons. | .406 | .618 | -.461 | .109 |
| 5. I like to watch music programmes on TV. | .178 | .128 | -.228 | .880 |
| 6. Sometimes, music is boring. | .213 | .866 | -.236 | .122 |
| 7. I like making my own music. | .733 | .315 | -.367 | -.149 |
| 8. I should like to be given a musical instrument as a present. | .493 | .284 | -.552 | -.025 |
| 9. Music is a good subject for everybody to learn. | .685 | .640 | -.642 | .220 |
| 10. I always look forward to music lessons. | .572 | .643 | -.699 | .374 |
| 11. I like playing the music that other people have written. | .435 | .326 | -.808 | .248 |
| 12. We are finding out new things all the time in music lessons. | .085 | .415 | -.765 | .193 |
| 13. I seem to get tired easily in music lessons. | .111 | .761 | -.246 | .021 |
| 14. I like to listen to music that other people have written. | .314 | .238 | -.782 | .073 |
| 15. I should like to get a job where I can use all I know about music. | .319 | .495 | -.328 | .100 |

Table 11: The Structure Matrix Table - Extraction Method: Principal Component Analysis. Rotation Method: Oblimin with Kaiser Normalization.

| Liking Music Scale (Alpha=0.81, N=178) | | |
|--|--------------------------------------|--|
| | Corrected Item- Total Correlation | Cronbach's Alpha if Item Deleted |
| I like music more than any other school subject. | .623 | .775 |
| We should have fewer music lessons. | .541 | .788 |
| Sometimes, music is boring. | .616 | .774 |
| I always look forward to music lessons. | .706 | .759 |
| We are finding out new things all the time in music lessons. | .455 | .803 |
| I seem to get tired easily in music lessons. | .487 | .798 |
| I should like to get a job where I can use all I know about music. | .425 | .807 |

Table 12: Liking music scale

| Making Music Scale (Alpha=0.79, N=179) | | |
|--|--------------------------------------|--|
| | Corrected Item- Total Correlation | Cronbach's Alpha if Item Deleted |
| I enjoy singing in class. | .449 | .780 |
| I like making music with my friends in class. | .579 | .747 |
| I like making my own music. | .519 | .762 |
| I should like to be given a musical instrument as a present. | .490 | .769 |
| Music is a good subject for everybody to learn. | .663 | .730 |
| I like playing the music that other people have written. | .562 | .752 |

Table 13: Making music scale

| ATTITUDES TO MUSIC | | | | | | |
|---------------------------|----------------------|----------------------|-------------------------------------|-----------------------------|--------------------------|--------------------------------|
| PHASE I | | | | | | |
| | Y6 Time 1 | Y7 Time 2 | End of Y7 Time 3 | Number of pupils | Wilk's Lambda | Partial Eta Squared |
| All schools | 43.09 | 43.75 | 40.45 (p<.01 from time 2 to time 3) | 165 | .955 | .045 |
| 1 | 42.95 | 49.54 | 41.72 (p<.05 from time 2 to time 3) | 22 | .755 | .245 |
| 2 | 42.91 | 41.22 | 38.61 (p<.05 from time 1 to time 3) | 89 | .932 | .068 |
| 3 | 43.3 | 45.8 | 42.5 (non-sign.) | 50 | .94 | .06 |

Table 14: Pupils' Attitudes to Music (July 2011, November 2012, July 2012)

| ATTITUDES TO MUSIC – All schools | | |
|---|------------------------|------------------------|
| | Liking music | Making music |
| Time 1 | 22.55 | 20.45 |
| Time 2 | 22.85 | 21.02 |
| Time 3 | 21.29 | 19.29 |
| Number of pupils | 167 | 168 |
| Wilk's Lambda | .968 | .957 |
| Partial Eta Squared | .032 | .043 |
| Significance | p<.05 from time 2 to 3 | p<.01 from time 2 to 3 |

Table 15: Pupils' mean responses and comparisons in attitudes between time 1 and 3 for the two music subscales (Liking Music and Making Music)

| | | TIME 1 | | TIME 2 | | TIME 3 | |
|-----------------------------------|---------------------|--------|----------------|--------|----------------|-----------|----------------|
| | | Mean | Std. deviation | Mean | Std. deviation | Mean | Std. deviation |
| Overall attitudes to music | Males | 40.14 | 12.33 | 41.48 | 12.01 | 38.43 | 12.05 |
| | Females | 45.55 | 10.32 | 46.02 | 11.24 | 42.88 | 12.09 |
| | <i>Significance</i> | p<.01 | | p=<.01 | | p<.05 | |
| Liking music | Males | 21.4 | 6.8 | 21.7 | 6.6 | 20.34 | 6.94 |
| | Females | 23.58 | 6.4 | 23.8 | 6.6 | 22.2 | 6.85 |
| | <i>Significance</i> | p<.05 | | p<.05 | | non-sign. | |
| Making music | Males | 18.73 | 6.5 | 19.67 | 6.2 | 18.15 | 6 |
| | Females | 22.05 | 4.9 | 22.24 | 5.2 | 20.6 | 5.9 |
| | <i>Significance</i> | p<.01 | | p<.01 | | p<.01 | |

Table 16: Male and female pupils' attitudes to school for the whole scale and for the separate subscales (July 2011, November 2012, July 2012).

| | TIME 1 | | TIME 2 | | TIME 3 | | |
|---|--------|----------------|--------|----------------|--------|----------------|--------------|
| Liking Music | Mean | Std. Deviation | Mean | Std. Deviation | Mean | Std. Deviation | Significance |
| 1. I like music more than any other school subject | 2.98 | 1.28 | 3.02 | 1.29 | 2.75 | 1.15 | Non-sign. |
| 2. We should have fewer music lessons. | 3.5 | 1.45 | 3.65 | 1.38 | 3.54 | 1.37 | Non-sign. |
| 3. Sometimes, music is boring. | 3.02 | 1.48 | 3.15 | 1.46 | 3.02 | 1.39 | Non-sign. |
| 4. I always look forward to music lessons. | 3.68 | 1.37 | 3.58 | 1.37 | 3.29 | 1.24 | p=.011 |
| 5. We are finding out new things all the time in music lessons. | 3.53 | 1.4 | 3.74 | 1.22 | 3.83 | 1.08 | Non-sign. |
| 6. I seem to get tired easily in music lessons. | 3.35 | 1.46 | 3.22 | 1.33 | 3.31 | 1.32 | Non-sign. |
| 7. I should like to get a job where I can use all I know about music. | 2.47 | 1.34 | 2.51 | 1.33 | 2.75 | 1.16 | Non-sign. |

| | TIME 1 | | TIME 2 | | TIME 3 | | |
|--|--------|----------------|--------|----------------|--------|----------------|--------------|
| Making Music | Mean | Std. Deviation | Mean | Std. Deviation | Mean | Std. Deviation | Significance |
| 8. I enjoy singing in class. | 2.61 | 1.53 | 2.53 | 1.56 | 2.44 | 1.47 | Non-sign. |
| 9. I like making music with my friends in class. | 3.53 | 1.4 | 3.93 | 1.29 | 3.63 | 1.23 | p=.015 |
| 10. I like making my own music. | 3.66 | 1.52 | 3.75 | 1.34 | 3.56 | 1.36 | Non-sign. |
| 11. I should like to be given a musical instrument as a present. | 3.25 | 1.49 | 3.21 | 1.48 | 3.13 | 1.32 | Non-sign. |
| 12. Music is a good subject for everybody to learn. | 3.90 | 1.31 | 3.82 | 1.27 | 3.73 | 1.22 | p=.013 |
| 13. I like playing the music that other people have written. | 3.46 | 1.35 | 3.76 | 1.25 | 3.63 | 1.21 | p=.002 |

Table 17: Means and standard deviations for the music questionnaire items (Time 1: end of Year 6, Time 2: November of Year 7, Time 3: end of Year 7).

| Questionnaire items | TIME 1 | | | TIME 3 | | |
|--|--------------|----------------|-------|--------------|----------------|-------|
| | Male N=92 | Female N=90 | Sign. | Male N=89 | Female N=87 | Sign. |
| Liking Music | | | | | | |
| 1. I like music more than any other school subject | 2.82 | 3.18 | - | 2.70 | 2.93 | - |
| 2. We should have fewer music lessons | 3.24 | 3.74 | * | 3.25 | 3.49 | - |
| 3. Sometimes, music is boring | 2.84 | 3.18 | - | 2.69 | 3.07 | - |
| 4. I always look forward to music lessons | 3.47 | 3.93 | * | 3.14 | 3.36 | - |
| 5. We are finding out new things all the time in music lessons | 3.58 | 3.48 | - | 3.49 | 3.38 | - |
| 6. I seem to get tired easily in music lessons | 3.25 | 3.43 | - | 2.79 | 3.33 | ** |
| 7. I should like to get a job where I can use all I know about music | 2.29 | 2.71 | * | 2.40 | 2.69 | - |
| Making Music | | | | | | |
| 8. I enjoy singing in class | 2.16 | 3.08 | ** | 1.87 | 2.77 | ** |
| 9. I like making music with my friends in class | 3.24 | 3.84 | ** | 3.41 | 3.91 | ** |
| 10. I like making my own music | 3.52 | 3.85 | - | 3.32 | 3.74 | * |
| 11. I should like to be given a musical instrument as a present | 2.94 | 3.55 | ** | 3.02 | 3.16 | - |
| 12. Music is a good subject for everybody to learn | 3.68 | 4.12 | * | 3.42 | 3.61 | - |
| 13. I like playing the music that other people have written | 3.25 | 3.69 | * | 3.18 | 3.41 | - |

Table 18: Means and comparison between male and female pupils in Time 1 and Time 3