

Pupils' Attitude Towards Technology (PATT) USA Instrument

The Pupils' Attitude Towards Technology (PATT) USA instrument was developed in 1988 by Dr. Marc de Vries, Professor at Eindhoven University in the Netherlands; Dr. Allen Bame, Associate Professor of Technology Education at Virginia Tech; and Dr. William E. Dugger, Jr., Professor of Technology Education at Virginia Tech. The USA instrument was developed from the Dutch instrument on people's attitudes towards technology and the revision of the Dutch instrument was translated to English and was validated in the United States. It was designed for middle school/junior high school students (boys and girls) in Grades 6, 7, and 8 (ages 11-14).

The developers of this instrument caution the use of it in other countries where English is not the primary language. If the instrument is used in countries where other languages are used, then we recommend translating this instrument into the major language of that country. We also recommend that validity and reliability be re-established on the revised instrument. Additionally, the developers further caution the use of the PATT USA Instrument for ages/grade levels other than middle/junior high school level (ages 11-14).

PUPILS' ATTITUDE TOWARDS TECHNOLOGY

Developed by: Virginia Tech - Technology Education and Eindhoven University, The Netherlands

We are interested in your opinion on technology. Therefore, we would like you to answer some questions on this subject. This is not a test. There are no right or wrong answers. You are not to be graded on this. Do not take too much time for one question. You should only need about 25 minutes for the whole questionnaire. The first set of questions are about you so we can get to know you better. These are followed by statements about technology. Indicate to what extent you agree or disagree with them. In the last set of statements you only have to indicate agree, disagree or don't know.



Please give a short description of what you think technology is:

WRITE ONLY INSIDE THIS BLOCK

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 Marc deVries
 E. Allen Bame
 William E. Dugger, Jr.



WRONG	1	A	N	TD
WRONG	2	A	N	TD
WRONG	3	A	N	TD
RIGHT	4	A	N	TD

		Very Much	Much	Little	Nothing
1. Are you a boy or a girl? 1. <input type="radio"/> Boy <input type="radio"/> Girl					
2. How old are you? 2. <input type="radio"/> or younger <input type="radio"/> 13 <input type="radio"/> 14 <input type="radio"/> 15 <input type="radio"/> 16 or older					
3. What is your grade in school? 3. <input type="radio"/> 6 <input type="radio"/> 7 <input type="radio"/> 8					
4. If your father has a job, indicate to what extent it has to do with technology....	4.	<input type="radio"/> VM	<input type="radio"/> M	<input type="radio"/> L	<input type="radio"/> N
5. If your mother has a job, indicate to what extent it has to do with technology....	5.	<input type="radio"/> VM	<input type="radio"/> M	<input type="radio"/> L	<input type="radio"/> N
6. Do you have technical toys, like Tinkertoy, Erector Set or LEGO at home?	6.	<input type="radio"/> Y Yes	<input type="radio"/> N No		
7. Is there a technical workshop in your home?	7.	<input type="radio"/> Y Yes	<input type="radio"/> N No		
8. Is there a personal computer in your home?	8.	<input type="radio"/> Y Yes	<input type="radio"/> N No		
9. Do you think you will choose a technological profession?	9.	<input type="radio"/> Y Yes	<input type="radio"/> N No		
10. Do you have brothers or sisters that have a technological profession or that are studying for it?	10.	<input type="radio"/> Y Yes	<input type="radio"/> N No		
11. Are you taking or have you taken Technology Education/Industrial Arts?	11.	<input type="radio"/> Y Yes	<input type="radio"/> N No		
12. When something new is discovered, I want to know more about it immediately.....	12.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
13. Technology is as difficult for boys as it is for girls.	13.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
14. Technology is good for the future of this country.	14.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
15. To understand something of technology you have to take a difficult training course.	15.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
16. At school you hear a lot about technology.....	16.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
17. I will probably choose a job in technology.	17.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
18. I would like to know more about computers.....	18.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
19. A girl can very well have a technological job.....	19.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
20. Technology makes everything work better.	20.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
21. You have to be smart to study technology.....	21.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
22. I would not like to learn more about technology at school.....	22.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
23. I like to read technological magazines.....	23.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
24. A girl can become a car mechanic.....	24.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
25. Technology is very important in life.	25.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
26. Technology is only for smart people.....	26.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
27. Technology lessons are important.	27.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
28. I will not consider a job in technology.	28.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
29. There should be less TV and radio programs about technology.....	29.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
30. Boys are able to do practical things better than girls.....	30.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
31. Everyone needs technology.....	31.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
32. I would rather not have technology lessons at school.....	32.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
33. I do not understand why anyone would want a job in technology.....	33.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
34. If there was a school club about technology I would certainly join it.	34.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
35. Girls are able to operate a computer.....	35.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
36. Technology has brought more good things than bad.	36.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
37. You have to be strong for most technological jobs.....	37.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
38. Technology at home is something schools should teach about.....	38.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
39. I would enjoy a job in technology.....	39.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
40. I think visiting a factory is boring.	40.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
41. Boys know more about technology than girls do.	41.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD
42. The world would be a better place without technology.....	42.	<input type="radio"/> A	<input type="radio"/> TA	<input type="radio"/> N	<input type="radio"/> TD

Over Please

43. To study technology you have to be talented.	43.	(A)	(SA)	(N)	(TD)	(C)
44. I should be able to take technology as a school subject.	44.	(A)	(SA)	(N)	(TD)	(C)
45. I would like a career in technology later on.	45.	(A)	(SA)	(N)	(TD)	(C)
46. I am not interested in technology.	46.	(A)	(SA)	(N)	(TD)	(C)
47. Boys are more capable of doing technological jobs than girls.	47.	(A)	(SA)	(N)	(TD)	(C)
48. Using technology makes a country less prosperous.	48.	(A)	(SA)	(N)	(TD)	(C)
49. You can study technology only when you are good at both mathematics and science.	49.	(A)	(SA)	(N)	(TD)	(C)
50. There should be more education about technology.	50.	(A)	(SA)	(N)	(TD)	(C)
51. Working in technology would be boring.	51.	(A)	(SA)	(N)	(TD)	(C)
52. I enjoy repairing things at home.	52.	(A)	(SA)	(N)	(TD)	(C)
53. More girls should work in technology.	53.	(A)	(SA)	(N)	(TD)	(C)
54. Technology causes large unemployment.	54.	(A)	(SA)	(N)	(TD)	(C)
55. Technology does not need a lot of mathematics.	55.	(A)	(SA)	(N)	(TD)	(C)
56. Technology as a subject should be taken by all pupils.	56.	(A)	(SA)	(N)	(TD)	(C)
57. Most jobs in technology are boring.	57.	(A)	(SA)	(N)	(TD)	(C)
58. I think machines are boring.	58.	(A)	(SA)	(N)	(TD)	(C)
59. Girls prefer not to go to a technical school.	59.	(A)	(SA)	(N)	(TD)	(C)
60. Because technology causes pollution, we should use less of it.	60.	(A)	(SA)	(N)	(TD)	(C)
61. Everybody can study technology.	61.	(A)	(SA)	(N)	(TD)	(C)
62. Technology lessons help to train you for a good job.	62.	(A)	(SA)	(N)	(TD)	(C)
63. Working in technology would be interesting.	63.	(A)	(SA)	(N)	(TD)	(C)
64. A technological hobby is boring.	64.	(A)	(SA)	(N)	(TD)	(C)
65. Girls think technology is boring.	65.	(A)	(SA)	(N)	(TD)	(C)
66. Technology is the subject of the future.	66.	(A)	(SA)	(N)	(TD)	(C)
67. Everybody can have a technological job.	67.	(A)	(SA)	(N)	(TD)	(C)
68. Not everyone needs technology lessons at school.	68.	(A)	(SA)	(N)	(TD)	(C)
69. With a technological job your future is promised.	69.	(A)	(SA)	(N)	(TD)	(C)

FROM NOW ON YOU ONLY HAVE THREE CHOICES:

		AGREE	DISAGREE	DON'T KNOW
70. When I think of technology I mostly think of computers.	70.	(A)	(D)	(DK)
71. I think science and technology are related.	71.	(A)	(D)	(DK)
72. In technology, you can seldom use your imagination.	72.	(A)	(D)	(DK)
73. I think technology has little to do with our energy problem.	73.	(A)	(D)	(DK)
74. When I think of technology, I mostly think of equipment.	74.	(A)	(D)	(DK)
75. To me technology and science are the same.	75.	(A)	(D)	(DK)
76. In my opinion, technology is not very old.	76.	(A)	(D)	(DK)
77. In technology, you can think up new things.	77.	(A)	(D)	(DK)
78. Working with information is an important part of technology.	78.	(A)	(D)	(DK)
79. Technology is as old as humans.	79.	(A)	(D)	(DK)
80. Elements of science are seldom used in technology.	80.	(A)	(D)	(DK)
81. You need not be technological to invent a new piece of equipment.	81.	(A)	(D)	(DK)
82. Technology has a large influence on people.	82.	(A)	(D)	(DK)
83. I think technology is often used in science.	83.	(A)	(D)	(DK)
84. Working with your hands is part of technology.	84.	(A)	(D)	(DK)
85. In everyday life, I have a lot to do with technology.	85.	(A)	(D)	(DK)
86. In technology, there is little opportunity to think up things yourself.	86.	(A)	(D)	(DK)
87. Science and technology have nothing in common.	87.	(A)	(D)	(DK)
88. The government can have influence on technology.	88.	(A)	(D)	(DK)
89. I think the conversion of energy is also part of technology.	89.	(A)	(D)	(DK)
90. In technology, you use tools.	90.	(A)	(D)	(DK)
91. Technology is meant to make our life more comfortable.	91.	(A)	(D)	(DK)
92. When I think of technology, I mainly think of computer programs.	92.	(A)	(D)	(DK)
93. Only technicians are in charge of technology.	93.	(A)	(D)	(DK)
94. Technology has always to do with mass production.	94.	(A)	(D)	(DK)
95. In technology, there are less opportunities to do things with your hands.	95.	(A)	(D)	(DK)
96. Working with materials is an important part of technology.	96.	(A)	(D)	(DK)
97. Technology has little to do with daily life.	97.	(A)	(D)	(DK)
98. When I think of technology I mainly think of working with wood.	98.	(A)	(D)	(DK)
99. Technology can mainly be found in industry.	99.	(A)	(D)	(DK)
100. There is a relationship between technology and science.	100.	(A)	(D)	(DK)