

# SPECIFICATION EXERCISE

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On behalf of The World Association of Technology Teachers

# W.A.T.T.



World Association of Technology Teachers

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# SPECIFICATION EXERCISE

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Read the specification statements below - write your own version for each of the statements in the available spaces.

**1.** The materials I will use will be compressed polystyrene, pine and MDF because my research clearly shows that this combination will improve my solution.

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**2.** The overall shape will depend on the ergonomics of the hand. I will base the dimensions on statistics worked out as part of my research.

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**3.** I intend to use a colour scheme based on red and blue because the questionnaire I carried out shows these are the most popular colours.

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**4.** The solution will have the following functions: *(List exactly what the solution will do).*

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**5.** The solution will stand on a desk or be hand-held.

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**6.** I will need the following tools/machines to manufacture my solution: a lathe, drilling machine, hand files, a vacuum former etc.....

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**7.** The solution is aimed at the 5 to 8 age group as my research suggests this would be the most successful market.

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**8.** I intend to use a PIC-Microcontroller as this can be programmed to carry out a number of tasks.

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**9.** The project will be powered by a 9 volt battery so that it is electrically safe, as found in my research.

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**10.** The device will be based on a theme that young children find interesting and amusing.

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