

# A Study on the Development of Torso Pattern for the School of a Tween Generation

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## I. Introduction

Teenager market was said to have growth potential despite of recent economic stagnation. The teenager market was made based on high-teen group at their late 10's in the past: However, at present, the teenager market was moved to tween generation at their early 10's to middle 10's.

The tween generation that is middle generation between children at their age of six to nine and adolescents at their fifteen to eighteen indicated 8 to 14 years old children in Western countries and 10 to 16 years old children in Korea that had different growth stages and emotion. The tween generation was also called subteen, low teen and preteen, etc.

At the moment, new market of tween generation started to grow up so that actual conditions of consumer group should be investigated exactly and designs reflecting their individuality should be developed and researches and investment reflecting rapid changes of somatotypes were required

The purpose of this study was to develop a new torso pattern for the schoolgirl of a tween generation who had different somatotypes from children and teenagers.

## II. Method

The subjects in this study were female elementary school students of fifth or sixth grade. Through a sensory evaluation of four existing torso patterns, the first research torso pattern was developed. Drafting methods of each item, which closed to the optimum value three, were selected. The differences between the values of the selected drafting methods and the optimum three were verified through a Wilcoxon's ranked sum test.

The final research torso pattern was developed through adjusting the drafting methods according to the deviation from the optimum value three.

## III. Results and Conclusion

The results and conclusion of this study were as follows.

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The schoolgirl of a tween generation is at the time to show the remarkable breast development compared with a waist circumference, so the bust drafting was defined as  $B/4+1.25\text{cm}$  separately front and back.

The drafting of a waist circumference was defined as  $W/4+1\text{cm}$  separately front and back which taken the ease amounts of the somatotype into consideration of the schoolgirl of a tween generation.

A princess line was used instead of a waist dart because their hip circumference was more developed than a waist circumference. The crossed amount of a front hemline was 0.3cm and that of a back hemline was 0.7cm.

They had prominent buttocks without prominence right below a back waistline, so the princess line of the position was drawn with a straight line at a right angle of the back waistline.

The armhole depth was determined  $B/4-1\text{cm}$  in consideration of the aesthetic and the trend, although the effective movement of upper arm was required.

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