

**Notes to candidates**

Before you start to write your specification. You must select a brief and read the 'Instructions for candidates' which give details of the skills you must demonstrate and the type of evidence you must provide.

**You should speak to your teacher before you start if you are unclear about what is required for this assessment.**

You should use information from the brief and findings from the research to complete the specification below.

**DESIGN BRIEF 3 – toddler travel tray**  
 The company would like a proposal for a product which keeps a toddler entertained during long car journeys.

The product must be inspired by 'summer time', be portable and have an element of fun.

**Specification**

The product must:

- ◆ allow you to demonstrate appropriate practical skills

FUNCTION

I CARRIED OUT AN INTERVIEW WITH A POTENTIAL END-USER.

WHAT ACTIVITIES DOES YOUR TODDLER DO TO STAY ENTERTAINED ON LONG CAR JOURNEYS?  
 COLOURS, PLAYS ON THEIR TABLET AND EATS SNACKS.

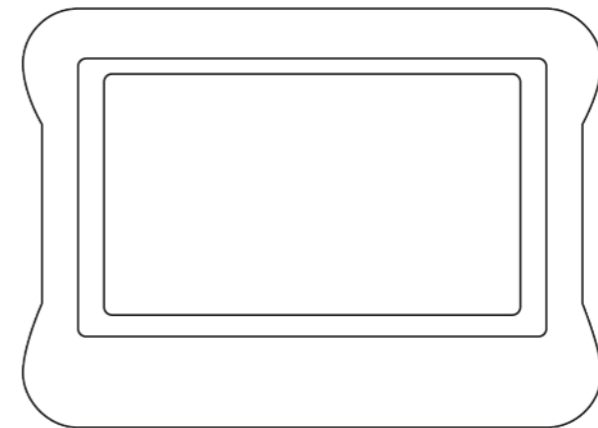
WHAT FEATURES ARE ESSENTIAL?  
 A FLAT SURFACE, BIG ENOUGH FOR A SHEET OF A4 PAPER WHEN DRAWING OR FOR LAYING A TABLET ON.

SHOULD THE TRAVEL TRAY INCLUDE ANYTHING ELSE?  
 A DRINKS HOLDER WOULD BE GOOD.

SHOULD THE TRAVEL TRAY SIT OVER THE CHILD'S LAP OR ATTACH TO THE SEAT IN FRONT?  
 EITHER COULD WORK.

FUNCTION

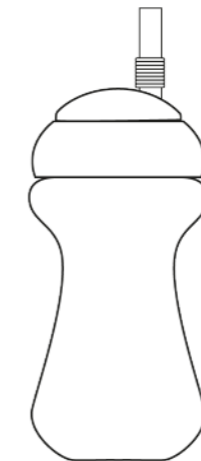
MEASUREMENTS OF ITEMS THE PRODUCT COULD HOLD.



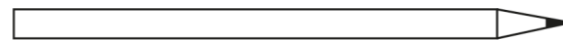
KIDS' TABLET WITH CASE  
 Length - 220 mm  
 Width - 208 mm  
 Depth - 26 mm  
 Stand is 95 mm when down.



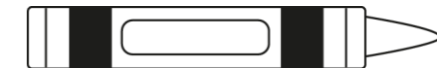
A4 PAPER  
 Length - 297 mm  
 Width - 210 mm



TODDLERS' CUP  
 Height - 203 mm  
 Widest Diameter - 100 mm



PENCIL  
 Length - 170 mm  
 Diameter - 8 mm



CRAYON  
 Length - 89 mm  
 Diameter - 8 mm

HIP WIDTH OF CHILD

Standing and seated figures		Adult male			Adult female			4-year-old child		
		Percentile			Percentile			Percentile		
		5th	50th	95th	5th	50th	95th	5th	50th	95th
<b>A</b>	Height	1642	1756	1870	1515	1621	1827	974	1053	1133
<b>B</b>	Eye level	1528	1641	1754	1410	1516	1616	872	951	1030
<b>C</b>	Shoulder height	1345	1451	1556	1231	1330	1429	749	828	906
<b>D</b>	Elbow height	1021	1107	1192	948	1021	1094	552	607	662
<b>E</b>	Shoulder width	443	484	537	390	452	523	234	257	287
<b>F</b>	Hip width	315	354	403	330	371	442	175	192	209

ENVIRONMENT

I MEASURED THE SPACE BETWEEN A SMALL CHILD AND THE SEAT IN FRONT, THE TRAVEL TRAY HAS TO FIT WITHIN THIS AREA OF 700 mm

