In this project you will learn:

- Research Skills.
- Health and Safety Practical Skills.
- Quality Control.
- Generating ideas.
Product analysis is used by manufacturers and designers to find out information on similar products being sold. This can be used to improve an existing product or to design and make a whole new product. There are a number of things that designers will look at when analysing a product. Look at the anagrams below and unscramble the words.

SCOT  ZIES  PEHSA  TEMARLIAS
PRODUCT ANALYSIS

TASK 1: Look at the drawing of the pencil case on the previous page and correctly name the main features of the pencil case.

1. ................................................
2. ................................................
3. ................................................
4. ................................................

TASK 2: Complete the following sentences using the Key words form task 1.

LITERACY

- The pencil case is made out of.........................that needs to be strong to hold the weight of the contents.
- To make a pencil case appeal to teenagers designers sometimes use patterns or a ................
- Many textile products need fastenings. Bags or pencil cases need to fasten so the contents don’t fall out. One example of a fastening used is a ............
- A ....................... is a method of joining two pieces of fabric together using a sewing machine. The advantages of using a sewing machine is that it is quicker and more accurate.

PROBLEM SOLVER!
TASK 3: During today’s lesson you will learn several safety rules when working in a textiles room. Answer the following questions

Why is it important to listen to all instructions at the start of a practical session?

Why it is important not to distract others when using sewing machines?

Why is it important to remove loose clothing when using the sewing machine?

You should not run in a textiles room. Why?

What should you do if you find something in the textiles room that is broken?
Sewing Machine

Task 5
Look at the drawing of the sewing machine and list all main parts.
Then choose 3 to identify what they do.
**Tools**  
Task 8. Copy and complete the table below by stating the name of the tools and how they will be used to manufacture your pencil case.

<table>
<thead>
<tr>
<th>Bobbin</th>
<th>Tape Measure</th>
<th>Needles</th>
<th>Sewing Machine</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>quick un-pick/seam ripper</td>
<td>pins</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>scissors</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>bobbin case</td>
</tr>
</tbody>
</table>
Making a pattern piece

TASK 4: Draw the symbols shown below and correct meanings.

____________  Cutting line—Follow this line when cutting out pattern/template.

-----------------  Seam line—This is the line showing where you will be sewing.

←  Grain line—this is showing the direction your pattern should be placed on the fabric.

TASK 5: Draw a pattern to the measurements provided. Remember to put the correct pattern markings on shown above.

Remember, always measure from the end of the ruler!
Task 6. Draw as many different designs as you can for your pencil case. Annotate your designs and state which ones you prefer and why.

Top Tip!
When designing make sure you:-
• Draw in pencil.
• Add colour
• Shade accurately
• Annotate
• Make them eye-catching

Final Design
Task 7: Once you have completed your ideas choose your favourite design and create a larger more detailed drawing. Include colours used, decoration and how it is going to be applied, size (show measurements), fabric and fastenings.
Planning

Task 9. Copy the flow diagram below and add the order of manufacture for your pencil case from stages below.

Start

Cut fabric out following the edge of the pattern.

Pin, tack and sew all seams

Measure 1.5cm seam allowance

Iron

Finish

EXTRA! What quality checks would you do when making your pencil case?
FIBRES

TASK 9: Look at the diagram below and place the correct fibre under the correct category.

Cotton  silk  polyester  acetate
Wool  nylon  viscose  rayon

EXTRA! What other fibres can you think of?
1. I worked to deadlines in class and with my homework.
2. I've worked with numbers to mark out parts of the product
3. I produced a quality marketable product.
4. I have tried to raise the standard of my achievement.
5. I have tried to ensure that my written work is presented appropriately and neatly.
6. I have enjoyed the year project
7. I carefully followed Health & Safety rules at all times.
8. I behaved appropriately and responded promptly to teacher instruction.

3 things I have learnt which I can use in my next module:

__________________________________________________________________
__________________________________________________________________
__________________________________________________________________

3 things I need to improve in the next module:

__________________________________________________________________
__________________________________________________________________
__________________________________________________________________
<table>
<thead>
<tr>
<th>Task 12: Learn the definition and spelling of the following key words.</th>
</tr>
</thead>
</table>
| 1. Safety  
2. Fibres  
3. Batik  
4. Seam allowance  
5. Dye  
6. Tape measure  
7. Bobbin  
8. Seam ripper  
9. Tension dial  
10. Template  
11. Pins  
12. Product analysis  
13. Initial Ideas  
14. Design ideas  
15. Evaluate  
16. Sewing machine  
17. Assembly  
18. Tack  
19. Sew  
20. Annotate  
21. Synthetic  
22. Regenerated  
23. Centimetres  
24. Pattern  
25. initial ideas  
26. Assemble |
1. Name 3 health and safety rules when working in a textiles room.
2. Name 3 safety rules when using the sewing machine.
3. Choose one and explain why it is important to follow this rule?
4. Name 3 parts of the sewing machine and what they do?
5. Explain 2 advantages of using a sewing machine instead of sewing by hand.
6. Draw one pattern marking and explain what it is used for.
7. Give 1 example of a natural fibre?
8. Give 1 example of a regenerated fibre?
9. Give 1 example of a synthetic fibre?
10. List the main stages of making an open/plain seam.
11. Name 3 types of fastenings.
12. How many centimetres is a seam allowance?
14. Name 3 pieces of equipment you have used when making your pencil case.
15. What is the name of the stitch you have used when making your pencil case.
16. How do you make sure your sewing is secure and won’t come undone?
17. Name 2 reasons why an overlocker is used.
18. Name the final process of making your pencil case.
19. Write 4 keywords you have learnt during this unit.
20. List the skills you have learnt during this unit.
<table>
<thead>
<tr>
<th>Week</th>
<th>Task</th>
<th>Done?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>On A4 paper, or in your exercise book design a safety poster to highlight the dangers that could occur if the safety rules are not followed!</td>
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<tr>
<td>2</td>
<td>Using the internet find 2 examples of pencil cases and write a description about them. Write about the COST, FUNCTIONS, and aesthetics.</td>
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<tr>
<td>3</td>
<td>Using the internet and magazines to make a collage to create a theme for your pencil case.</td>
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<tr>
<td>4</td>
<td>Complete your initial ideas. Try to present them as clearly as you can. Include colour and sentences explaining which idea you like the most.</td>
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<tr>
<td>5</td>
<td>Draw your final design idea for your pencil case. Make sure you include measurements, fastenings and any design features.</td>
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<tr>
<td>6</td>
<td>Use the internet to find pictures and examples of natural fibres. Create an information sheet using your research.</td>
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<tr>
<td>7</td>
<td>Complete the evaluation exercise for your last lesson.</td>
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</tbody>
</table>
## Progress Feedback Sheet

<table>
<thead>
<tr>
<th>Section</th>
<th>Student level</th>
<th>Teacher Level</th>
<th>Teacher Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health and Safety</td>
<td></td>
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<tr>
<td>Measuring</td>
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<tr>
<td>Initial Ideas</td>
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<td>Practical</td>
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<tr>
<td>Homework</td>
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</tbody>
</table>

**Student Target Comment**

**Teacher Target Comment**

**Final Level**