

Mathematical Modeling Problem Solving Technique

1. Understand the problem (ANALYSIS)

What am I trying to find out?

What do I know?

2. Devise a plan (PLANNING)

What model makes sense based on what I know and want to know?

What do I need to know to use that model?

How can I find that out? (If I can't can I try another model?)

3. Carry out the plan (IMPLEMENTATION)

Find the missing information

Use the model and find the desired information

4. Look back (REFLECTION)