# Mathematical Modeling with AI for Real-World Problems

**AI Interaction Template for Students**

**1. Research Phase – Example questions:**

- What is mathematical modeling?
- How can AI help predict weather changes?
- How do graphs help visualize predictions?

*Type your selected aspect here:*

**2. Deep Dive Phase – Predict water consumption in your school.**

- Analyze patterns in temperature data.

*Write your discussed aspects and main presentation points here:*

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### 3. Reflection Phase

*Prompts:*

- *How did AI help you understand mathematical relationships?*
- *Why is modeling important in science?*

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