Tech Savvy Code

Free Resource

CS PRIMM Lesson Plan Prompt

Instructions: Copy and paste the prompt below into your chosen AI chatbot. Replace all bold text within brackets **[]** with your specific information. Add details to optional sections to generate a more tailored and detailed lesson plan.

Role:
I am a **[enter grade level]** Computer Science Teacher. [Adjust if you want a different educational role or additional context about your experience or classroom.]

Task:
Create a detailed lesson plan on **[specific topic]** that utilizes the PRIMM approach (Predict, Run, Investigate, Modify, Make) in the classroom. The lesson will span **[# of class periods]** sessions, each lasting **[length of class period in minutes]** minutes.

Please ensure the lesson plan includes:

- **Clear, measurable learning objectives** aligned with **[specify state or national standards clearly here, e.g., CSTA or ISTE standards]** appropriate for grade **[grade level]**.
- A structured breakdown of classroom activities, explicitly outlining each phase of PRIMM [remove phases that you don't want to cover]:
  - **Predict:** The activity prompts students to predict program outcomes.
  - **Run:** Step-by-step directions on how students should run and test code.
  - **Investigate:** Specific tasks/questions to guide student exploration and understanding of how the code works.
  - **Modify:** Clearly defined modifications students will implement to demonstrate understanding.
  - **Make:** Open-ended task guiding students to apply the learned concepts creatively in their own original projects.

- Comprehensive list of necessary materials, resources, and technology tools required (include links or references if applicable).
- **[Optional but recommended]** Specific strategies for differentiation, including at least one approach for students who need additional support and another for students who need enrichment or extensions.
- **[Optional but recommended]** Clearly defined formative and summative assessment strategies or tasks, including at least one formative checkpoint per session and a final assessment to evaluate student progress and understanding.