Selection of Programming Technology:

Java:
- Selected for simulations that are computationally intensive or based on complex physical models.
- Pros: One-click accessible from web browsers. - Java Web Start minimizes downloading. - Java is an industry-standard, general-purpose language with broad support and great flexibility.
- Cons: Requires more programming savvy.
- Note: Requires the latest Java Virtual Machine typically lags behind.

Flash:
- Selected for simulations that are not computationally intensive.
- Pros: Runs well from web browsers on both PCs and Macs. - Small files for quick downloads. - Quick learning curve and fast development time.
- Cons: Single-vendor product. Simulations must run in a browser, and as a result, simulations may not look the same on all platforms.

Current PhET Apps:
- Force and Motion
- Ohm’s Law, Resistance in a Wire, Signal Circuit
- Heat & Thermo: Quantum Physics, Lasers
- Electricity & Circuits
- Light and Radiation

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