Types of integration

- **Discipline specific** - apply components from another discipline
- **Content** – SOL focus from both Math & Science
- **Process** - investigation & problem-solving using both math & science processes
- **Thematic** – project or investigative theme that requires several Disciplines
Integration of Science and Mathematics

Figure 1. Continuum of integration of mathematics and science concepts/activities.

Independent Mathematics  Mathematics Focus  Balanced Mathematics and Science  Science Focus  Independent Science

Includes concepts best taught in a purely mathematical context. (Includes integration within the discipline.)

Mathematics concepts of primary importance. Science concepts/activities are in support of mathematics concepts.

Activities provide for integration of equally appropriate mathematics and science concepts/activities.

Science concepts of primary importance. Mathematics concepts/activities are in support of science concepts.

Includes concepts best taught in a purely scientific context. (Includes integration within the discipline.)