



ProD workshop selections

Format

Teachers try out a series of low-cost classroom-tested activities, centred on a topic or theme. Activities are chosen for the requested grade levels. Take-home documentation for each activity includes connections to Science Content and Curricular Competencies, materials lists, and links to the ingridscience database.

Workshop topic/theme and content

| | |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Biology</i> | Adaptations, biodiversity and evolution; life cycles, food webs and energy flow. |
| <i>Chemistry</i> | The properties and molecular structure of materials; how materials mix and change. |
| <i>Physics</i> | Motion, forces, machines and Newton's Laws; energy conservation and transformation. |
| <i>Earth Science</i> | Natural landscapes around us and their cycles; our place in the Universe. |
| <i>Outdoor Science</i> | Science investigations and games using outdoor materials and spaces. |
| <i>Outdoor Math</i> | Use plants and our city's landscape for geometry, patterning, measuring and graphing. |
| <i>Science and the Curricular Competencies</i> | Use hands-on science to fuel curiosity and questioning, employ data collection and graphing, and to understand the roles of variables and hypothesis testing. |
| <i>Science Inquiry</i> | Individual and group inquiry activities which engage your diverse learners. |
| <i>Science makes Art</i> | Science activities that create artistic pieces, through design and natural processes. |
| <i>Science Toys and Games</i> | Toys, games and challenges based in science concepts. |
| <i>Science from Recycled Materials</i> | Physics and Earth Science activities using recycled materials |
| <i>Sustainability and our Environment</i> | Activities on sustainable practices and renewable/non-renewable energy sources. |

or **Request your own topic/theme**