

FEATURE	RATIONALE	DELIVERY
Train-the-Trainer (ToT) Institutes: Semi-annual, @ 2-3 days.	NPASS Science Trainers are led through three hands-on projects <i>as learners</i> . They also receive detailed guidance on leading the activities with children and training afterschool staff, as well coaching on logistical and pedagogical aspects of training and implementation.	EDC leads intensive training for 10 – 15 regional <i>Science Trainers</i> or related staff. The regional leader is responsible for all local logistics and costs associated with the training and implementation of NPASS.
Afterschool [OST] Science Workshops: Monthly, ~3 Hrs	Each NPASS <i>Science Trainer</i> meets roughly monthly with a consistent group of afterschool program staff from 5 – 10 a/s sites. One-time or 1-on-1 training is highly discouraged and ineffective	NPASS Science Trainers lead ~ monthly workshops for OST staff training them to lead ONE new project with students at each session.
“Science Clubs” at afterschool sites: Once or twice per week	Students attend once (or twice) a week for <i>at least</i> one NPASS topic/project. Students are encouraged to participate in multiple projects. New students may join only at the beginning of a new project. NPASS is not suited to drop-in attendance by students.	A/S sites recruit students for a minimum commitment of one NPASS project (4 – 6 sessions), about 45 minute sessions. Regular time and space strongly recommended.
Curriculum: <i>Design-It!, Explore-It!</i>	NPASS uses the <i>Design-It!</i> (Engineering) projects at first and the companion series <i>Explore-It!</i> (Science) after about one year. These series provide a wide range of content presented in a common style and structure.	Science Trainer and OST sites may purchase curriculum guides directly from the publisher Kelvin.com. Unit cost (in bulk) is about \$8 per guidebook. See recommendation on materials below.
Materials (kits)	The success of NPASS projects often depends on using <u>exactly</u> the materials recommended. Most are common, inexpensive and items and all have been thoroughly tested for their safety and effectiveness. Substitutions should be made only after careful testing.	Materials purchasing list are available from EDC. Regional leaders must closely supervise the assembly and replenishment of NPASS kits or contract with an experienced kit supplier. OST staff should not assemble NPASS kits.
Supervision, Assessment	Supervision of NPASS should include site visits to monthly <i>Science Trainers</i> workshops and to afterschool sites. Regular conference calls or f2f meetings led by regional (state) leaders for Science Trainers is encourage.	Regional leaders are responsible for assessing and maintaining program quality. NPASS site visit observation rubrics and data collection forms are available at http://NPASS2.edc.org
Communities of Practice	NPASS Trainers and OST staff form “communities of practice” to support inquiry teaching and learning practices. Respect and trust between trainers, OST staff and children builds over repeated f2f interactions and is critical to the success of this program	Regional leaders should recruit stable cohorts of Science Trainers and OST staff in each community in order to build capacity and enhance the impact of this intensive project-based program.