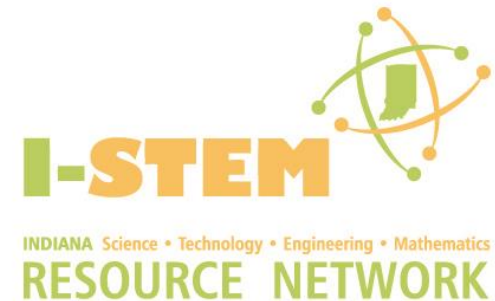


Indiana STEM Ecosystem Initiative

Indiana Afterschool Network
I-STEM Resource Network
June 2016



IAN STEM/I-STEM Partnership

Extending the STEM Learning Day

- Catalyzed by the National STEM Learning Ecosystem Initiative, the Indiana Afterschool Network and the I-STEM Resource Network agree to integrate their shared mission to improve STEM Education in Indiana
- ‘Cardinal Rule’ – ALWAYS include out-of-school time in any STEM education discussion!
- Supported by the Indiana Department of Education STEM School Certification program – which requires a STEM school to partner with an OST STEM program



Power of Linking STEM In-School & Out-of-School

- Multiplies available hours of STEM learning
- More STEM in afterschool and summers can add 1080 additional hours of learning to a child's year – equal to 144 school days
- Increases STEM skills, knowledge, excitement, hands-on learning, opportunities to learn with community experts
- Links the expert pedagogy of educators with the flexible hours and hands-on focus of informal learning environments
- Youth are in school 20% of their waking hours; how they invest the other 80% can be a life game-changer



Alignment of In-School & Out-of-School STEM Learning

- Set attainable goals
 - Effective communication between formal and informal STEM educators
 - Mutual identification of STEM learning opportunities
 - Shared professional and curriculum planning
- Recognize and work on the issues
 - Time constraints – both in-school and OST
 - Barriers to OST participation
 - Cost
 - Transportation
 - Family awareness
 - Funding
 - Professional development, especially for OST
 - Space and equipment

