

invVEST School & Community Engagement Plan (SCEP)

FOCUS ON:

SEI based education programs & projects for:

- K-12 Schools
- Colleges
- Communities

Contact Us:

info@invest.org

Visit Us:

www.invest.org

invVEST Vision

Enabling Massive Scale Sustainable Energy for our world will generate the next long term growth engine while protecting our planet for our future generations to enjoy. **Together, we can!**

invVEST Mission

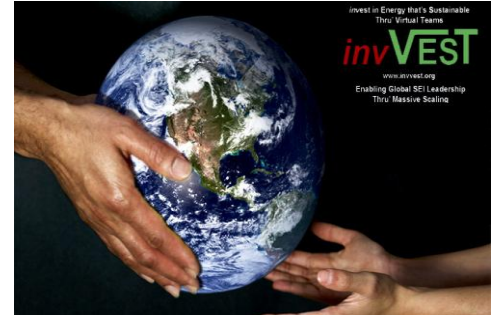
Enable Global Leadership for USA through Massive Scaling of SEI (Sustainable Energy Initiatives).

invVEST Motto

Improve the Environment, Invigorate the Economy, Invest in Education: SCALE SUSTAINABLE ENERGY !

invVEST Stands for

invest in Energy that's Sustainable through Virtual collaborative Teams



“Transitioning to clean & economical Sustainable Energy is one of the most urgent tasks we all need to accomplish for the sake of our very next generation.

Awareness through education will be the game changer in affecting energy related behavior. I look forward to working closely with our educational institutions and communities.”

Probir, CEO invVEST

invVEST Charter for Schools & Communities:

- Create energy awareness in educational institutions and communities.
- Introduce & facilitate informal & formal curriculum for SEI in schools, colleges & our communities through joint initiatives with **invVEST**.
- Collaborate across county, state & federal programs as well as businesses & institutions (e.g., NREL, DOE).
- Activate behavior change by implementing energy efficiency pilot projects in educational institutions and communities.
- Provide best practices, tools, guidance to massively scale the pilots to schools & communities across the nation.
- Provide certification programs at different levels for Workforce Training.

invVEST Education Ambassadors Charter

invVEST Education Ambassadors will:

- Be assigned to specific schools, colleges, communities.
- Mentor Student Ambassadors.
- Recruit parents/teachers from educational institutions and communities.
- Research educational resources that can be easily utilized.
- Publish training content & materials. Impart training.
- Research & facilitate funding / grants & donations for **invVEST** initiatives.
- Evangelize **invVEST** to start a viral grassroots movement for SEI.

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CURRENT PILOTS:

High Schools:

- Monarch High School, CO
- Fairview High School, CO

Colleges:

- University of Denver, CO
- CU, Boulder
- Virginia Tech, VA
- SF University, CA
- Oxford University, UK
- University at Spain.
- AES, India

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How Education Ambassadors Can Contribute:

- **Create awareness:** Spread the word about invVEST's goals.
- **Educate students & communities:**
 - Conduct events, meetings, presentations to educate citizens
 - Share energy conservation & efficiency tips.
- **Implement pilot projects** to get sustainability into our mindset:
 - Share the message during Morning Assembly / Freshmen Seminars
 - Promote events like Carpool-to-Work Day, Recycling Competitions
 - Conduct classroom activities like experiments to reduce energy use
 - Meet with PTA to plan & measure events
- **Affect curriculum** by embedding appropriate sustainability concepts into:
 - *Elementary Schools - Questioning/Interpretation Skills + Power of Knowledge:*
 - Knowledge of the environment
 - Humans use of the environment
 - Life cycle of finite resources
 - Types of energy & sources
 - *Interactions in ecosystem, energy use in food chain, conservation/ recycling/ depletion, renewable vs non-renewable sources*
 - *Middle Schools - Questioning/Interpretation Skills + Power of Knowledge + Skills for Analyzing/Investigating:*
 - Predict ad/disadvantages of energy types with respect to sustainability; science & technology impacts on the natural world with/examples
 - Survival challenge of species due to impact of humans on environment; factors involved and how organisms adjust in response
 - Climate change over time; conditions that impact the water cycle
 - *High Schools - Questioning/Interpretation Skills + Power of Knowledge + Skills for Analyzing/Investigating:*
 - Physical Sciences and the benefits, limitations, costs, consequences of technology on resources
 - Earth Space & Geophysical Science and fossil fuels, renewable fuels (e.g., solar, wind, nuclear, biofuel, hydro, thermal etc with their pros & cons) discovery to disposal, flux within ecosystem, solar energy on earth & ocean, ocean currents impact on weather
 - Biology and the bio-diversity; the effects due to advances in biotechnology; effects of Xrays/genetic modifications/microscopes on ecosystem.
 - Chemistry and the analysis of biofuels, nanotechnology, fuel cells natural gas, agricultural chemicals and their effect on the environment.
 - Physics and the reasons behind weather phenomena; new technological advances to understand ecological processes.
- **Provide training & certification** for Workforce:
 - Executive certification
 - Programs & Workshops
- **Collaborate with Local, State, Federal programs & private institutions** (NREL, GEO, PUC, DOE) to accomplish objectives.
- **Provide best practices, tools & guidelines for MASSIVE SCALING** the efforts from pilots to schools and colleges across the nation.

Startup Steps:

- If you are interested, email info@invvest.org . If we choose to work together:
- Please bookmark site below & update your Contact Information there (you will need to create a personal Google account to do this):
<http://spreadsheets.google.com/ccc?key=rmEQOHu8yagONLiRF6b5pNg>
- Encourage your family & friends to “Please Support Us” on www.invvest.org
- Send us a short bio & photo for the site. Begin work on your goals for the quarter.