

The MVHS Train-the-Trainer Model

Stage 1: Prepare the Trainer to use Computational Science Tools

- Use classroom-tested tools and materials.
- Have master teachers instruct new teachers.
- Give the teachers time for hands-on practice during workshops.
- Give the teachers a variety of tools from which to choose.
- Ask the teachers to evaluate the materials (respect their professional opinion).
- Require that the teachers develop a lesson plan for the tool of their choice.
- Observe and support the teachers as they use the lesson with their students.

Stage 2: Prepare the Trainer to Train other Teachers

- Offer a variety of models for mentoring other teachers.
 - Workshops
 - Mentor/Mentee pairing
 - Peer observations
 - Demonstration lessons
- Be available to co-lead workshops or demonstration lessons
- Focus on quality rather than quantity.

Stage 3: Offer Continuing Support

- A good lesson takes three years to develop.
- Mentors need to continue to learn new things to pass on to their mentees.
- Summer workshops are an ideal time for more in-depth training.
- Be respectful of the demands on teachers' time during the school year.