‹effective ways to teach computer science›
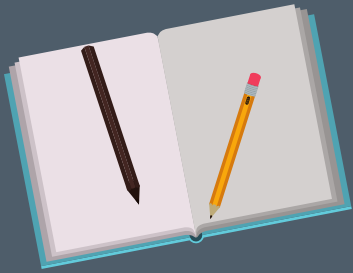
adapted from code.org

encourage questions

Encourage students to collaborate with you and with peers. By giving and receiving knowledge, students will maximize their personal creativity and problem-solving skills.

foster persistence

Computer Science is difficult--it is easy for students to give up and feel bogged down. Helping students persist in the face of a difficult challenge will teach them to stick with something even when they feel overwhelmed.

TIP: navigate to lessons.becauselearning.com for coding curriculum

making mistakes is part of learning

Mistakes do not mean failure, they actually bring students closer to achieving success. Teach your students that mistakes are a normal part of the learning process.

show how to break big problems into smaller ones

Showing students how to see a large problem as the sum of many different smaller problems will help them tackle large projects with ease and assurance.

get comfortable reading code

Computer code is simply a set of instructions. Teach your students to become comfortable reading their own and other's code so that they can identify logic errors or missteps with ease.

promote curiosity

When students are curious, they research, learn, and take educational risks to answer their questions. Providing a safe opportunity for experimentation taps into student's natural curiosity.

take regular breaks

Show your students that sometimes the best innovation comes when you step away from your computer and take a break! Allowing your student's minds to frequently rest will result in fresh perspectives and unique solutions.

BECAUSE LEARNING!