MCEC: Building Strong Roots and a Sustainable Future through AP Computer Science Principles
National Integrated Cyber Education Research Center

Professional Development
Curriculum Design
Collaboration in K-12 Education

Transforming Education
Empowering Educators
Preparing a Cyber-Ready Workforce
Educating the Military Child

• Partnership with Bossier Parish School (Barksdale Air Force Base) – Cyber Pathways, DoDEA Curricula Development

• Replicable model for developing academic and programmatic consistency among school districts who support the military child.

• Cyber and Technology based pathway that culminates with AP Computer Science Principles
Specificity

Person A: Programmer: Describes how to draw the picture. 
Person B: Computer: Draws exactly as the Programmer commands.

Computer can only say:

“Repeat the last instruction”
“Wait”
“Ready for next instruction”

Programmer describes to the computer how to recreate the image.

Sit back to back. **Do not** let your partner see your paper until I say turn around.
Learning Management System

Over 250 files per course that includes:

- Student Workbooks
- Master Notes
- Lesson Plans
- PowerPoints
- Standards Mapping
- And other Supplemental Resources

NICERC team members serve as the ‘teacher’ and teachers across America are the ‘students’.