LOCAL HIGH SCHOOLS TOURED BY SCHOOL BOARD – LOUISA COUNTY NEW HIGH SCHOOL

Images taken from Grimm and Parker Architects Website
LOCAL HIGH SCHOOLS TOURED BY SCHOOL BOARD – FLUVANNA COUNTY NEW HIGH SCHOOL

Images taken from BCWH Architects Website
LOCAL HIGH SCHOOLS TOURED BY SCHOOL BOARD – CULPEPPER COUNTY HIGH SCHOOL ADDITIONS/RENOVATIONS

Images taken from “Architect” Magazine
CHAMBERSBURG HIGH SCHOOL ADDITIONS/RENOVATIONS
CRABTREE, ROHRBAUGH & ASSOCIATES
Lowest Cost High School Built in Virginia since 2004
MAIN CORRIDOR/LOBBY

EXISTING HIGH SCHOOL v. NEW HIGH SCHOOL
CRABTREE, ROHRBAUGH & ASSOCIATES
Will the site support the educational program?
Is the site’s location convenient for the majority of students?
Is the site the right size and shape?
Is the topography conducive to desired land development?
Is the general environment aesthetically pleasing?
Is the site safe?
Is there good air quality?
Is the site free of industrial and traffic noise?
Does the land drain properly and are the soil conditions good?
Site Evaluation
Master Planning

Future Expansion

Community Needs
21st Century Education
A Changing Paradigm

- Integrated Curriculum
- Evolving teaching/learning styles
- Student centered design
- Flexible & adaptable space
- Small group / resource spaces
- Anytime, Anywhere Technology
- Environment as “3rd Teacher”
- Healthy Living

Education is changing.
Competition is changing internationally.
Jobs and skill demands are changing.
Profile of a Virginia Graduate
In Virginia, the Life Ready Individual Will, During His or Her K-12 Educational Experience:

- Achieve and apply appropriate academic and technical knowledge
- Attain and demonstrate productive workplace skills, qualities, and behaviors
- Align knowledge, skills, and personal interests with career opportunities
- Build connections and value for interactions with diverse communities

CONTENT KNOWLEDGE

- Attains and is able to use the knowledge and skills described in the Standards of Learning for core instruction areas (English, math, science, and history/social science), the arts, personal wellness, languages, and Career and Technical education programs.
- Attains and demonstrates the knowledge and skills necessary to transition to and achieve in a global society and be prepared for life beyond high school graduation.
- Explores multiple subject areas that reflect personal interests and abilities.

WORKPLACE SKILLS

- Communicates effectively in a variety of ways, and to a variety of audiences, to interact with individuals and within groups.
- Demonstrates workplace skills including collaboration, communication, creativity, critical thinking, problem solving, and responsible citizenship.
- Makes connections and is involved in the community through civic opportunities.
- Demonstrates integrity, maintains personal health and wellness, and shows respect for others.
- Shows respect for diversity of individuals, groups, and cultures in words and actions.
- Understands and demonstrates citizenship by participating in community and government decision-making.

COMMUNITY ENGAGEMENT & CIVIC RESPONSIBILITY

- Understands knowledge, skills and abilities sought by employers for career opportunities.
- Aligns knowledge, skills, and abilities with personal interests to identify career opportunities.
- Sets goals for career, school and life and has knowledge of a variety of pathways, coursework, and/or requirements to achieve goals.
- Develops skills to align to current workplace needs, and that adapt to evolving job opportunities.
- Applies skills and knowledge by participating in workplace experiences.

Critical Thinking, Creative Thinking, Collaboration, Communication, and Citizenship

21st Century Education
A Changing Paradigm
Design Phase
A Changing Paradigm

- Creating 21st Century Learning Environments

- Collaborative
- Flexible
- Transparent
- Inspiring
- Comfortable
- Colorful
- Connected
- Daylighting
- Safe
- Technology rich
Children who don’t feel safe can’t concentrate on their studies, don’t connect with their classmates, or don’t go to school at all.

“Educating the whole Child, ASCD 2012”

SAFETY & SECURITY

- **Security**
  - Provide Safety & Security while keeping the feel of a School
  - Active & Passive Security Solutions
  - Clear & Obvious Entry Point
  - Secured Vestibule Entrances

- **Safety**
  - Minimize Disruption & Bullying
  - Lines of Sight
  - Building Layout
  - Exterior Lighting
Sustainable Design Leadership

**Smart School Design?**

- Life Cycle Cost Analysis
- Daylighting & Views
- High efficiency HVAC and controls
- High efficiency lighting system
- Water conservation
- High efficiency building envelope
- Site reuse
- Native & drought tolerant plants
- Bio-retention
- Building material reuse
- Regional Materials
- Low VOC paints, coatings, adhesives & sealants
- Recycling program