

# Summary of Superintendent's Advisory Council on Instruction Meeting

## *Science, Math, and Gifted Education*



Meeting date: Thursday, January 13, 2022

# Science Education

*Presented by Megan Waywire, Science Professional Development*

- For all subjects, 7-year rotation for state revision of curriculum. Science just concluded
- 2022-2023 – First SOL on new standards
- High School Curriculum
  - Biology, Chemistry, Earth Science, Environmental Science, Physics
  - Dual Enrollment in Chemistry and Environment Science
  - Environmental Science seal on diploma
  - Advanced Placement
- Resources – Universal Design for Learning, CANVAS (full modules), field trips (Hylton Planetarium), sponsorships
- Science Fair – Virtual, 16 categories, grants to encourage schools to host

# Mathematics Education

*Justin Maffei, Supervisor for Mathematics*

- Math will enter 7-year rotation soon
  - 2025-2026 – New SOL
  - 2026-2027 – New graduation requirements
- Goals – Problem solving, relevance/connection, reasoning
- Course catalog - Cross discipline electives – math, science, computer
- CANVAS – Lost learning, bridging documentation
- MAJOR CONCERN – Unfinished/lost learning

# Gifted Education

*Brenda Bailey, Supervisor for Gifted Education*

- No federal mandates for gifted learning, education driven by VDOE
- Students evaluated on academic potential and high level of accomplishment
- Structure at HS level
  - Age-level peers – Specialty programs (IB, Cambridge, AP Scholars, IT, Environmental and Natural Sciences, Biotech, CISL, Fine & Performing Arts) and advanced course options
  - Intellectual peers – 18 hours of seminar program, GEMS, AP Seminar/Research, IB TOK, IACE Thinking Skills and Global Perspectives, Governor's School at Innovation Park, TJHSST, and Summer Governor's Schools
  - Independent study – Research or technical projects, essays, and competitions
- "START/SIGNET" are no longer used, no re-evaluation
- Goals: Critical thinking, creative thinking, communication, collaboration, conceptual thinking

# Other News of Note



- PWCS offers more courses than any other school division in Virginia
- *NEXT SACI MEETING – Humanities and Grading*