



**Dover School
District**

SCHOOL BOARD - MINUTES

Meeting Type: **Curriculum Planning Committee Meeting**
Meeting Location: **Room 305, McConnell Center**
Meeting Date: **March 6, 2014**
Meeting Time: **3:30 PM**

The Curriculum Planning Committee Meeting was called to at 3:30 PM in Room 305 of the McConnell Center

Attendees: Linda Smart, George Dailey, Paula Glynn, David Latchaw, Beth Dunton, Kim Lyndes, Stephanie Dematteo, Sarah Greenshields, Louise Paradis, Carol Finn, Mike McKenney, Matt Johnson and David Goldsmith

STEM--David Goldsmith

- Year 1 health, Science Engineering
- Year 2-- Combine Make health, STEM
- Lots of refining
- Future--Change grade 4 culminating experience to practice all skills focused on in K-3

Issues

- Still working on integrating I-Pads
- Move beyond just apps
- Purposeful use within 45 minute block
- PD to classroom teachers
- Their science work should also focus on NGSS process skills
- Integrating engineering practices into classroom science
- NGSS in classrooms and STEM class
- If classrooms follow NGSS, STEM class can adapt to provide science & engineering challenges

Writing piece important to deepen

STEM-DMS-Matt Johnson

- Science classes and many math classes are integrating STEM into curriculum
- project based learning
- Grade 5 a survey, simple machines, transfer of energy project
- QPAN themed lab reports, how presented
- Always hands-on inquiry
- Grade 6-kites and air, plate tectonics
- Grade 7-Life science, cause and effect, ecological engineering, environmental impact
- Grade 8- Physical Science, Chemistry and Astronomy, Bob sled challenge
- Tech Ed-Introducing computer science and coding in lower grades; practices of science and engineering;
- Grade 5-Computer programming using scratch, click and drag with anti-bullying theme
- Grade 6- designing webpages with requisites
- Grade 7-Treblucets Using CAD
- Grade 8- make wind turbines

Encore

Nano technology, sculptures, geodomes, UNH sent students over teach Java script, c+



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PD

- need time to research and develop STEM based projects
- generating STEM budget, technology for all grades
- Department meetings generate dialog and open communication
- District science coordinator to facilitate curriculum development and become an industry liaison to give STEM based project practical applications
- Bring in interdisciplinary and language arts

Making a database of UNH resources, Fran and David met with folks to start this

STEAM-Fran Meffen, DMS guidance counselor, spearheaded

- After school enrichment academy
- Lego Technic
- Electrical, mechanical engineering
- Fishing and fly tying
- Over 150 student participate
- Low cost
- Mostly volunteer teachers

STEM elementary teachers are tutoring math

Middle school as Hub between DHS and Elementary

Career Technical Center--Louise Paradis

Handout

- Career Technical Education video
- Prepare kids for college, industry, take care of themselves
- 16 Career Clusters
- Agriculture, food and Natural resources
- Business management and Admin
- Gov. And public health administration
- Workplace and academic skills
- Hospitality, tourism
- Human Services
- Information technology
- Marketing sales and services
- STEM
- Transportation Distribution logistics

End of year curriculum funds

- Electrical technology--cordless tools and toolbox created by electrical students, other tools
- Circuit testers

textbooks for electrical principals and house wiring

Automotive technology-road force touch balancer

- Online-subscription for management



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- Manual paint gun cleaner
- repair technology DVDs

Building Technology

- Delta lathe, gloves, hard hats drafting tables
- Agriculture storage shed
- student lockers
- adirondack chairs

Computer Technology

- Student based server
- Ncomputing ethernet virtual computing simulations
- Separate from school network
- Keyboards, screens, monitors, router, switches

Biotechnology

- Spectrophotometer
- Digital dry bath
- Vortexer
- Ultra rocker rocker base

Engineering

- Project Lead the Way school
- CNC machine

Health sciences

- Book, Dvds

Business

- Books
- Peachtree software
- Marketing notebooks

Equine science

- Animal science
- Dog grooming equipment, clippers, blades, pet vacuums

Culinary Arts

- ServSafe books to work toward certifications

Timeline

Renovations 2016-2017

- Get ducks in row to get 75% funding from the state of NH
- \$13.5 million, proposed amount
- Begin preliminary assessment programs

SY 2014-2015

- Formal assessment of programs
- Evaluations
- Curriculum, competencies
- Designs/Feasibility Study
- Create legislative Package

SY 2016-2017



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- Formal designs
- Approval state and local SY 2017-2018
- begin Renovations

Next week to meet about report cards--March13th

Next meeting, April 3rd, Health, Guidance and PE

Adjourned at 5:00 pm.