

MOOC SEMINAR

LENGTH OF TIME: One semester

GRADE LEVEL: 9-12

COURSE STANDARDS:

Students will:

1. Select a topic/area of study, then research and select one or more MOOCs that are aligned with their interests and post-secondary goals (PA Standard for Career Education and Work 13.1.11..A)
2. Develop and pursue an individual course learning plan, using desktop publishing and productivity software and/or web-based tools (PA Core Standards for Writing in Science and Technical Subjects CC.3.6.11-1 2.C)
3. Develop skills necessary to learn and work in an online course environment (15.3.12.)
 - a. Analyze job tasks and responsibilities- when working in a virtual. versus a traditional work environment (PA Business, Computer and Information Technology Std. 5.2.12.D)
 - b. Evaluate a speaker's reasoning and intent; ask questions to deepen understanding (A Business, Computer and Information Technology Std. 15.3.12.F)
 - c. Synthesize information gathered from multiple. sources digital, print farce-to- face) (PA. Business., Computer and Information Technology I5.3.12,I)
 - d. Demonstrate appropriate work ethic in the workplace, community, and classroom (PA Business, Computer and Information Technology 11.5.3.12.N)
 - e. Demonstrate application of digital citizenship in work and personal situations (PA Business, Computer and Information Technology 15.3.12.T)
 - f. Collaborate via electronic communication with peers, educators, and/or professionals to meet organizational goals. (PA Business, Computer and Information technology 15.3.12.W)
 - g. Evaluate time management. strategies and their application to both personal and work situations. (PA Standard for Career Education and Work 13.3.1 -1..E.)
4. Develop a comprehensive portfolio that documents the learning experience, including: knowledge gained, skills developed, and challenges encountered. (PA Business, Computer and information Technology 15.4.1.2.A., 15.4.12.6)
5. Develop and deliver an individual Power Point presentation to peers and instructor (PA Business, Computer arid Information Technology 15.3.12,G, 15.3.12.11)

RELATED PA CORE STANDARDS: READING AND WRITING IN SCIENCE AND TECHNICAL SUBJECTS

3.5 Reading Informational Text — Students read, understand, and respond to informational text —with emphasis on comprehension making connections among ideas and between texts with focus on textual evidence. Specifically:

CC.3.5.9-10 or 11-12.D. Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context. relevant to grades 9-10 or 11-12 texts and topics.

CC.3.5.11-12.G. Integrate and evaluate multiple sources of information presented in diverse formats and media in order to address a question or solve a problem.

CC.3.5.9-10 or 11-12. J. Read and comprehend science/technical texts in the grades 9-10 or 11-12 text complexity band independently and proficiently.

3.6 Writing -- Students write for different purposes and audiences. Students write clear and focused text to convey a well-defined perspective and appropriate content, including sub-standards C-1.

PERFORMANCE ASSESSMENT'S:

Students will demonstrate achievement of the standards by:

1. Writing and publishing all components of the portfolio. (Course standard 4)
2. Compiling a "proposal", (Course standard 1 & 2)
3. Writing memos, proposals, and short reports and/or developing multimedia projects when needed specifically to their. IVIOOC. (Course standards 2,3)
4. Developing a comprehensive portfolio that demonstrates achievement of goals outlined in proposal. (Course. standard 2,3,4)
5. Preparing an informative PowerPoint presentation. (Course standard 5)

DESCRIPTION OF COURSE:

This course will provide students with a cutting-edge learning experience. Driven entirely by their own preferences and interests, students will work with their instructor to develop an individual plan for the semester. This plan will include participation in one or more MOOCs (Mass Open Online Courses) available through one of several vendors (including world-class Colleges and Universities) and the completion of a comprehensive portfolio as the culminating course assessment. Participating students will learn independently and also benefit from working in a collaborative learning environment in which they and their classmates are pursuing different areas of interest/passion and sharing with each other and their instructor. The course will be flexible and completely individualized, supervised and assessed by a member of the high school faculty. Depending on the online courses chosen, participating students may be eligible to earn dual enrollment credit through a participating college or university.

SAMPLE INSTRUCTIONAL STRATEGIES:

1. Individual conferencing and supportive assistance
2. Small group and whole class presentations

3. Peer and instructor editing of writing pieces
4. Collaboration with online course instructor/professional through the selected 'N/100C

MA.TERIALS:

1. Computers
2. MS Office software
3. MOOC Providers:
 - a. Coursera – www.coursera.org and www.edx.org
4. Additional providers as approved by course instructor and High School Principal
5. Open Source Courseware: is to supplement students' independent learning pathway.
 - a. Please see instructor for current courseware options

METHODS OF ASSISTANCE AND ENRICHM.ENT:

1. Field Trips
2. Individual Conferencing,
3. Collaboration with. online course instructor/professors, through the selected MOOC
4. Ability for students to select additional MOOCs or modify original learning plan based on aptitude and pace of learning

PORTFOLIO DEVELOPMENT:

1. Proposal Letter
2. Reflection
3. Presentation of Information
4. Calendar of progress
5. Final Project

METHODS OF EVALUATION:

At the time each project or letter writing assignment is given, students receive detailed instructions, together with a scoring rubric. Each rubric is tailor-made to the assignment.

In addition to scoring rubrics, peer editing is used to analyze written and presentation pieces before they are graded.

INTEGRATED ACTIVITIES

1. Concepts
 - a. Interactive activities to develop interpersonal communication skills:
 - i. Message Formation
 - ii. Conversational Climate (where needed)
 - iii. Listening for Understanding
 - iv. Empathetic Response (where needed)
 - v. Disclosure
2. Communication
 - a. Writing letters, proposals

- b. Oral presentations using Power Point (Google Slides)
- 3. Thinking / Problem Solving
 - a. Peer Review of written documents and presentations
 - b. Appropriate to the specific MOOC
- 4. Application of Knowledge
 - a. Oral presentations
 - b. Written presentations
 - c. Written documents
- 5. Interpersonal Skills
 - a. Working together with peers to edit oral presentations, written documents (where needed)