

# Technology Requirements for Team 3 Teacher Candidates

## Level 1: Fundamental ("simple") use

### E-mail – TE 301

This part of the requirement will be checked off when teacher candidates and their instructor/Tech Guide exchange e-mail which include use of subject lines, signature files, and attached documents.

OR Equivalent performance or product, as judged by the instructor and Tech Guide.

### Word Processing – TE 301

This part of the requirement will be checked off when teacher candidates submit a paper which includes: title, header or footer, page numbers, a table, a drawing, and consistent margins. The paper will be spell-checked, saved in Rich Text Format (RTF) and shared with instructor/Tech Guides.

OR This part of the requirement will be checked off when teacher candidates present printouts of two alternative PowerPoint presentations of the same content, each including at least 5 cards each with at least 4 points on some cards, but using differing fonts and styles, graphics, and transitions.

OR Equivalent performance or product.

## Level 2: Professional/pedagogical ("adaptive") use

This part of the requirement will be checked off when teacher candidates write a thoughtful and innovative instructional plan that includes the use of e-mail as an essential component.

OR Equivalent performance or product, as judged by the instructor and Tech Guide.

This part of the requirement will be checked off when teacher candidates submit an electronic word processor document containing features typical in complex materials for students or complex products by students, specifically, an automatically generated table of contents, outline formatting, and no spelling errors that a spell-checking program can detect.

OR This part of the requirement will be checked off when teacher candidates submit electronic files containing two document templates (sometimes called "stationery"), with styles (sometimes called "font styles" or "paragraph styles"), that the candidate might use to prepare materials for K-12 pupils, or that K-12 pupils might use in a writing assignment.

OR This part of the requirement will be checked off when teacher candidates write a thoughtful and innovative instructional plan that includes the use of word processing or presentation software as an essential component.

OR Equivalent performance or product.

### Spreadsheet or Database TE 401/402 – Math

This part of the requirement will be checked off when teacher candidates present printouts of a data set two columns wide and 20 rows long, that uses formulas in the third column or twenty first row to compute new variables or summaries, and that represents the data in tables or graphs.

OR This part of the requirement will be checked off when teacher candidates present printouts of a database that contains at least 10 records and at least 4 fields per record, that uses the find/sort functions to select a sub-set of cases, and print out lists of the whole data set and the sub-set.

OR Equivalent performance or product.

This part of the requirement will be checked off when teacher candidates submit to their instructor or Tech Guide electronic spreadsheet files containing a numeric data set pertinent to a K-12 subject, along with statistical and graphical analyses that bring out patterns in the data that should be revealed to K-12 students, or that K-12 students should discover in the data.

OR This part of the requirement will be checked off when teacher candidates submit to their instructor or Tech Guide an electronic file containing a database that the teacher candidate has designed to organize and work with text such as the teacher candidate's notes on professional literature, the teacher candidate's feedback to K-12 students about their work, K-12 students' journal writing, etc. Such a database normally would include title fields, keyword fields, and author and date/time fields.

## Technology Requirements for Team 3 Teacher Candidates

### Level 1: Fundamental ("simple") use

### Level 2: Professional/pedagogical ("adaptive") use

Spreadsheet or Database, cont.

OR This part of the requirement will be checked off when teacher candidates write a thoughtful and innovative instructional plan that includes the use of a spreadsheet or database as an essential component.

OR Equivalent performance or product.

### Educational Software TE 401/402 – Literacy

This part of the requirement will be checked off when teacher candidates submit a written review, from the point of view of a user outside of school, of one piece of educational software. The review will include a general description of the program, a description of the user's affective responses to the software, and a description of the user's cognitive responses to the software.

OR Equivalent performance or product.

This part of the requirement will be checked off when teacher candidates submit a review, from the point of view of a K-12 teacher, of one piece of educational software. The review will include an examination of the potential instructional uses of the software, and an evaluation of the artistic, technical and pedagogical qualities of the software.

OR This part of the requirement will be checked off when teacher candidates write a thoughtful and innovative instructional plan that includes the use of a piece of educational software as an essential component.

OR Equivalent performance or product.

This part of the requirement will be checked off when teacher candidates construct and share a categorized bookmark file of at least 20 sites with the instructor/Tech Guide.

OR Equivalent performance or product.

**Instructors: At the end of the semester please email to the Team 3 office a class list of the students who have successfully completed the Tech Requirement for your specific course .**

### World Wide Web TE 401/402 – Science

This part of the requirement will be checked off when teacher candidates provide the URL for a simple, working web page, made by the teacher candidate, containing at least 3 links to pages created by others.

OR This part of the requirement will be checked off when teacher candidates write a thoughtful and innovative instructional plan that includes the use of World Wide Web as an essential component.

OR Equivalent performance or product.