Preparing Students for non-major Classes and Achieving the General Requirements

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Problem
Teaching classes for non-major students is a big challenge. Problems include students come from different backgrounds and abilities to this class.
In order to gauge how much students are familiar with the class content and if there background meet the minimum requirements for the class, it is not enough to assess their knowledge and skills at the beginning of the course or program.

Methodology
1. Taking the advantage of all Resources Available in the course
2. Before the Semester Starts: Course Planning
3. Before Each Class Session or Office Hour
4. Check students background and the ability for this class
5. Determine their knowledge level by using assessment quiz or filling information sheet.
6. Working closely with Students
7. Recommending references and other sources that might help with the course
8. acquire and share data to apply statistical analysis.
9. Creating a template files to help students understand the management of data.

Group Discussion Questions:
1. What are the problem for adding pre-class preparation to your class?
2. What are the benefits of adding pre-class preparation to your class?
3. What might be potential responses from students when implementing engaged learning and how can you prepare them for the transition?

Implications
Illuminating where students are now using pre-assessments so that tutors can lead them to mastery.
Working on their weakness points prevented the students to fail in the assignments.
Developing their skills help them share ideas with unconventional solutions.

References
https://sites.google.com/site/elepfiengage/courses
Pre-Assessment Article by Jessica A. Hockett and Kristina J. Doubet
https://www.nhred.org/site...filedownload.aspx%3Fid%3D1467_PreAssessment%20Article

Objectives
The main objectives is to determine the students knowledge level, using assessment quiz or class survey at the beginning of the course or program to develop tools to help them meet the requirements of the course. We also need to find out what is their weakness points and identify more specifically the knowledge and skills that might contribute to the course or program.