

Giant Geometer Research Paper

Grade Level: 10-12

<p>Objectives</p>	<p>Students will understand:</p> <ul style="list-style-type: none"> • the basic background information of their respective geometers, • the major advances those geometers made in geometry, • how to efficiently and thoroughly use Diigo as a research tool, • and the differences and similarities of researching online with Diigo, versus researching through a library or other printed material resource.
<p>Materials</p>	<ul style="list-style-type: none"> • Computer with internet access • Access to a library, and/or printed materials • A Diigo account • Copies of the Diigo Instruction Worksheet and the rubric for the research paper
<p>Procedures</p>	<ol style="list-style-type: none"> 1. Before beginning the activity, students should have a basic understanding of the following: <ul style="list-style-type: none"> • English grammar • Research via internet search engines • Research via books and printed material 2. Split the students into groups of three and have them sit together within the classroom. 3. Introduce Diigo to the students. Go to Diigo.com and explain the various tools and devices which Diigo has to offer. Show them a few examples of highlighting and bookmarking to give them a visual illustration. 4. Next, pass out a copy of the Diigo Instruction Worksheet and a copy of the rubric to each group. Explain that each group will be given a geometer to research as a group. They are to write a 6 page paper detailing the life of the geometer and his major accomplishments in geometry. 5. They must follow the criteria listed in the rubric, such as a minimum of 4 different sources, with at least one being a printed source. The paper will be due two weeks from today. 6. Additionally, they must incorporate Diigo into their research by utilizing the group aspect of the application. 7. After you have explained the paper, give the students the rest of the class time to go through the Diigo Instruction Worksheet. If they have any questions, they can consult with their fellow students or ask you, the teacher. Collect the worksheet at the end of the period.

	<p>8. Inform the students that the majority of the work associated with this project will be performed outside of class. However, two additional classes will be set aside for the students to corroborate during class time.</p>
<p>Assessment</p>	<ol style="list-style-type: none"> 1. The Diigo Instruction Worksheet will be collected and graded based on completion. 2. Additionally, the report itself will be graded by the criteria on the rubric. Both grammar and content will be considered. 3. The students will be required to print an example of their use of Diigo. For instance, they could print off one of their sources which they bookmarked and highlighted. 4. Finally, students will submit an individual evaluation of their experience Diigo. This will give you, the teacher, insight into ways in which this project can be improved. This, too, will be graded on completion.