

2.1 Lesson plan 1 Outline	
Lesson plan 1 topic	Aviation Charts
Lesson plan 1 objectives	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Define Pilotage and Dead Reckoning • Identify populated areas • Identify Controlled and Uncontrolled airports • Identify bodies of water • Identify Quadrant Elevations and Elevation Trends • Understand two sided chart layout
Anticipatory set or lesson opening (to activate students` prior learning or draw student interest or involvement)	<p>Students will be issued a Boston Terminal Area Chart.</p> <ul style="list-style-type: none"> • Opener – Describe your first impression of the chart. • In what ways does it remind you of a map? • Identify three items on the chart that you would like to know learn about.
Direct Instruction	<p>The lesson will begin with a PowerPoint presentation pointing out the various types of charts, and various parts of the TAC. The Presentation will be interactive, using questions, analysis and explanations.</p>
Guided Practice	<p>After each slide of the TAC presentation, students will create a sketch of the different items that are studied.</p>
Independent Practice/Differentiated Activities	<p>In groups of three, analyze the chart and identify items on the chart that you think you understand, or that you would like to be able to identify.</p>
Reflection on employability skills	<p>Who uses TAC's and why? Commercial pilots need to know TAC charts for VFR flights</p>
Lesson Closure	<p>Review the identified items, and discuss the student identified items on the chart.</p>
Summative/end of lesson assessment	<p>Prior to tomorrows lesson, there will be an activator to review and identify the items on the chart that were discussed today.</p>
References / Resources / Teacher Preparation	<p>PowerPoint Presentation – Digital TAC Charts, Chart handouts, pencils</p>

Questions and Definitions

1. Define "Pilotage"
2. Define "Dead Reckoning"
3. What is a WAC chart and why would we use one?
4. What is a TAC chart and why would we use one?
5. How are "Populated Areas" depicted on the TAC?
6. How are Controlled Airports depicted on the TAC? Uncontrolled Airports?
7. What is the difference between Controlled and Uncontrolled airports?
8. Why is it important that a pilot know the "Quadrant Elevations"?