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KnowItAll Software Training Guide
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# About This Training Guide

This training guide will lead you through a series of exercises in the manner of a training course. Each lesson has a folder of example training files associated with it that can be downloaded here: [www.knowitall.com/training_files](http://www.knowitall.com/training_files).

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<tr>
<th>Lesson</th>
<th>Description</th>
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| 1 - General Features | • Explore the interface  
• Learn to transfer data from one application to another | KnowItAll "Interface" |
| 2 - Simple Spectral Search/Identification | • Perform a "first pass" analysis of your spectrum against reference spectra  
• Use patented optimized corrections technology to optimize search results | KnowItAll ID Expert |
| 3 - Searching - IR and Raman | • Perform basic, peak, structure, and multi-technique searches  
• Create a search profile  
• Limit search range/exclude search regions  
• Perform a spectral subtraction  
• "All" vs. "Pure Compound" search | SearchIt |
| 4 - Mixture Analysis - IR and Raman | • Perform mixture analysis  
• Interpret search results | SearchIt |
| 5 - Functional Group Analysis | • Browse the knowledgebase of functional groups  
• Correlate peaks from a structure  
• Perform spectral analysis by functional group – IR, Raman, IR Polymers  
• Create user knowledgebases | Analyzelt (IR, IR Polymer, Raman) |
| 6 - Searching and Mixture Analysis - MS | • Forward search  
• Reverse search  
• Mixture analysis  
• Adaptive search (similar compound search) | SearchIt |
| 7 - Create Databases | • Create a database with spectra, structures, properties  
• Batch import spectra, structures, properties, PubChem properties  
• Create display profiles | Minelt/Create Databases |
| 8 - Drawing Structures & Reactions | • Use basic ChemWindow tools to create and edit a structure  
• Create chemical reactions | ChemWindow, ReportIt |
| 9 - Creating Reports | • Use pre-defined report template  
• Create customized templates | ReportIt |
<p>| 10 - Data Mining &amp; Analysis | • Use patented Overlap Density Heatmaps for visual data mining | Minelt |</p>
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<th>11 - Quality Control Analysis</th>
<th>• Create an overlap consensus spectrum</th>
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<td>• Select a standard and compare samples</td>
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