

# Misconceptions in Chemistry

## Programme

Date	Tuesday, 24 <sup>th</sup> October 2017
Venue	Giovanni Curmi Higher Secondary School, Naxxar – Mini Conference Hall
Target Audience	Advanced / MATSEC and Intermediate level teachers

0830	Registration
0845	Scientix presentation
0915	Misconceptions acquired by students during the learning process <ul style="list-style-type: none"> <li>• <i>Ionisation energies</i></li> <li>• <i>Chemical stability and reactivity</i></li> </ul>
1045	Networking coffee break
1100	Misconceptions acquired by students during the learning process ( <i>Continued</i> ) <ul style="list-style-type: none"> <li>• <i>Chemical equilibrium</i></li> </ul> <p>Common myths</p> <ul style="list-style-type: none"> <li>• <i>Strengths of intermolecular forces</i></li> <li>• <i>Hydrogen bonding</i></li> </ul>
1230	Lunch
1300	Common myths ( <i>Continued</i> ) <ul style="list-style-type: none"> <li>• <i>The Aufbau principle</i></li> <li>• <i>Le Chatelier's principle</i></li> <li>• <i>Stable electronic configurations</i></li> </ul>
1430	Seminar ends

# Misconceptions in Chemistry

## Programme

Date	Wednesday, 25 <sup>th</sup> October 2017
Venue	Giovanni Curmi Higher Secondary School, Naxxar – Mini Conference Hall
Target Audience	Ordinary / SEC level teachers

0830	Registration
0845	Scientix presentation
0915	Identifying and dealing with misconceptions that students often acquire during learning <ul style="list-style-type: none"> <li>• <i>Elements, mixtures and compounds</i></li> <li>• <i>Kinetic theory</i></li> <li>• <i>Precipitation reactions</i></li> </ul>
1045	Networking coffee break
1100	Identifying and dealing with misconceptions that students often acquire during learning ( <i>Continued</i> ) <ul style="list-style-type: none"> <li>• <i>The value of using fixed definitions</i></li> </ul> <p>Suggested teaching approaches to avoid learning difficulties post-16</p> <ul style="list-style-type: none"> <li>• <i>Chemical bonding</i></li> </ul>
1230	Lunch
1300	Suggested teaching approaches to avoid learning difficulties post-16 ( <i>Continued</i> ) <ul style="list-style-type: none"> <li>• <i>Equilibrium</i></li> <li>• <i>Energetics</i></li> <li>• <i>The use of analogies</i></li> </ul>
1430	Seminar ends