



PERSONAL ORIENTATION PROJECT

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**Dentistry**

Teacher's Guide

This document<sup>1</sup> provides information for teachers that will facilitate students' use of tool kits in the POP classroom. It also contains inventory sheets to manage the materials contained in the associated boxes of materials.

The information contained in this guide for teachers is given for reference purposes only and is not intended to be comprehensive. The tools kit activity guides contain various links that may be outdated, or wherein the contents may have changed by the time you access them.

The tool kit<sup>2</sup> activity guides are categorized online on the MEES website POP Index at [www.repertoireppo.qc.ca/en](http://www.repertoireppo.qc.ca/en). Use the search function to easily find the activity guide you are looking for. The activity guides are available in a digital format on the POP Links website at [www.liensppo.qc.ca](http://www.liensppo.qc.ca). On the POP Links websites students will find all of the associated URL links, videos and documentation needed to complete the tool kit activities. Both of these websites should be permanently available on each student workstation to ensure access to updated activity guides and associated resources.

The Commission Scolaire de la Beauce-Etchemin assumes no responsibility for any omission or error in these tool kits, and is not liable for any putative consequences attributed to making use of the information in any of them.

## Recommendations

It is essential for teachers to support students throughout their career explorations, including the use of tool kits. Conceivably, planning in the use of tool kits helps to avoid students having certain difficulties. Fundamentally, the role of the teacher in this context is to provide guidance; advising students rather than directing them, and providing strategies and direction so that students can answer their own questions and solve their own problems. The intent of this guide is to have a reference document that will assist teachers in this process without having to master the content of each tool kit. However, the activities in the tool kit guides vary in degree of difficulty. It is recommended that teachers try the activities marked as difficult beforehand to be able to assist students. It is also recommended that students follow the sequence of activities within the activity guides as activities can build upon previous information.

Different materials are required to complete each activity found in the tool kit activity guides. Most of the associated boxes of materials can be stored on shelves. It is recommended that the teacher lock some of these materials away until needed (i.e.: digital camera, needle, etc).

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<sup>1</sup> The teacher's guide can be downloaded from: [http://www.learnquebec.ca/en/content/curriculum/career\\_dev/pop/tool\\_kits.html](http://www.learnquebec.ca/en/content/curriculum/career_dev/pop/tool_kits.html)

<sup>2</sup> Tool kits consist of a binder (called an activity guide) and may be accompanied by a box of materials or exist without a box of materials.

## Change history and previous versions

The activity guides that are part of the tool kits currently available in Québec secondary school POP classrooms will be updated in the years ahead. Activities will be improved, added or removed; websites will change, etc. To know what tool kits have been updated please visit the POP Links website at <http://liensppo.qc.ca/>

On the home page, all recently updated activity guides are listed under Recent Updates. You can also consult the Activity Guide page of the website to determine whether the activity guides in your classroom are the most recent version. Consult the **version number** which is written on the lower right of the cover page of each activity guide.







## Other documentation

In addition to this teacher's guide, other documentation exists to support your POP classroom, such as a catalogue of materials to purchase for tool kits and an information document on POP classroom technical requirements. Consult the page dedicated to POP tool kits on the following Career Development LEARN webpage:














[http://www.learnquebec.ca/en/content/curriculum/career\\_dev/pop/tool\\_kits.html](http://www.learnquebec.ca/en/content/curriculum/career_dev/pop/tool_kits.html)





## Legend

The following icons have been created to give you a quick reference of what is required for each activity. This will allow for better planning and classroom management.

	<b>Time.</b> Approximate time required to complete the activity. Make sure the students have enough time to set-up, to complete the exercises and to clean up afterwards. Note that this is approximate and may vary depending on the student.
	<b>Degree of difficulty.</b> Some activities are more difficult than others and may require the help of a teacher, classmate or other professional. Note that this is approximate and may vary depending on the student.
	<b>Material required.</b> Lists the material included in the tool kit that is needed to complete the activity. Also includes hardware needed such as computer, digital camera, printer, etc.
	<b>Group activity.</b> Another person may be required to carry out the exercise.
	<b>Evaluation.</b> An answer key is provided in the activity guide for this exercise.
	<b>Print.</b> Some pages in the activity guide will need to be printed or made available for students.
<b>etc</b>	<b>Miscellaneous.</b> Other useful information regarding the activity.

## Dentistry

<b>1</b>	<b>Making plaster dental models</b>	 1 hr	 Moderate
	Dentistry video clip (Computer) <a href="http://www.liensppo.qc.ca">www.liensppo.qc.ca</a> 200ml of plaster 80ml of water at room temperature 250 ml beaker 500 ml beaker Mixing bowl Mixing Spatula		
<b>etc</b>	Students should perform this task in spot away from computers because the plaster can create dust.		
<b>2</b>	<b>Carving wax teeth and performing restorations</b>	 1 hr	 Moderate
	Dentistry video clip (Computer) <a href="http://www.liensppo.qc.ca">www.liensppo.qc.ca</a> Ivorine Dentoform® upper and lower jaws Wax stick Candle with base Carving instruments Nylon stocking		
<b>4</b>	<b>Self-examination for dental plaque</b>	 30 mins	 Easy
	Disclosing tablet Toothbrush and toothpaste (Student's own) Disposable glass Odontograms Disposable mirrors Standard wall mirror Blue and red pencils		
<b>5</b>	<b>Indirect vision test</b>	 15 mins	 Easy
	Laminated colour print of a tooth diagram Sheet of paper Standard wall mirror Blue and red pencils		
	The tooth diagram (Figure 5.0 on p. 14 of the activity guide) needs to be printed in colour and laminated and made available for students to use.		

<b>6</b>	<b>Instrument transfer techniques</b>	 30 mins	 Easy
	Dentistry video clip (Computer) <a href="http://www.liensppo.qc.ca">www.liensppo.qc.ca</a> Vinyl gloves Carving instruments		
	This activity requires at least 2 participants.		

## Inventory list of materials for tool kit

Permanent and consumable materials for experiential tool kits are to be kept in the storage container designated for that tool kit. Naturally as the teacher, it is your responsibility to ensure these materials are properly cared for. It is suggested to keep them in a dedicated area and distributing them to students only when required. Any material deemed valuable, such as a digital camera, should be locked separately from the tool kits.

One suggestion in the management of this material would be to pass out material inventory lists for each tool kit. The student using the tool kit would be asked to fill them out at the beginning and end of each period/activity. Some tool kits have no associated box of material; therefore no inventory list has been created for them.

*Here's an example of an effective procedure: insert a plasticized colour copy of the material list and a duo-tang containing several copies of the list into a tool kit. At the end of the period, the teacher verifies the tool kit, and both teacher and student sign the list. At the beginning of the subsequent period, the next student to use the box can verify that all the materials are there. The follow-up is thus well documented.*

## Material verification: At the beginning and end of each activity

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Group: \_\_\_\_\_

**Is the following material in your tool kit?**

**In the chart below, answer yes or no to each item.**

N.B.: If any of the answers are "No", please see your teacher before beginning your experiential tool.

<b>2. Dentistry</b>			
<b>Permanent Material</b>			
Quantity	Item	Yes	No
2	Storage container 17 1/4" x 11 7/8" x 6 5/8" each	<input type="checkbox"/>	<input type="checkbox"/>
1	250 mL beaker	<input type="checkbox"/>	<input type="checkbox"/>
1	500 mL beaker	<input type="checkbox"/>	<input type="checkbox"/>
1	Mixing spatula	<input type="checkbox"/>	<input type="checkbox"/>
1	Mixing bowl	<input type="checkbox"/>	<input type="checkbox"/>
1	Ivorie Dentoform® model (upper and lower jaws)	<input type="checkbox"/>	<input type="checkbox"/>
3	Carving instruments	<input type="checkbox"/>	<input type="checkbox"/>
1	Wall mirror	<input type="checkbox"/>	<input type="checkbox"/>
1	Laminated colour print of a cross-section of a tooth (Appendix B)	<input type="checkbox"/>	<input type="checkbox"/>
<b>Consumable Material</b>			
1	Dental floss, toothbrush and toothpaste (student's own)	<input type="checkbox"/>	<input type="checkbox"/>
2	Dental moulds	<input type="checkbox"/>	<input type="checkbox"/>
200 mL	Powdered plaster per student	<input type="checkbox"/>	<input type="checkbox"/>
1	Wax stick per student (as needed)	<input type="checkbox"/>	<input type="checkbox"/>
1	Candle with base	<input type="checkbox"/>	<input type="checkbox"/>
1	Pack of matches	<input type="checkbox"/>	<input type="checkbox"/>
1	Piece of nylon stocking	<input type="checkbox"/>	<input type="checkbox"/>
3	Odontograms (dental records) 3 per student	<input type="checkbox"/>	<input type="checkbox"/>
2	Disposable mouth mirrors per student	<input type="checkbox"/>	<input type="checkbox"/>
2	Disclosing tablets per student	<input type="checkbox"/>	<input type="checkbox"/>
1	Paper cup per student	<input type="checkbox"/>	<input type="checkbox"/>
1	Blue and red coloured pencils	<input type="checkbox"/>	<input type="checkbox"/>
2	Disposable gloves per student	<input type="checkbox"/>	<input type="checkbox"/>

Student Signature : \_\_\_\_\_

Teacher Signature : \_\_\_\_\_



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