

eREAP – BrainPOP Jr.: Assessment with Concept Maps (Teaching Ideas)

Concept map is a powerful tool. It could help teachers to assess students’ learning progress, and students to develop effective learning strategies. Through breaking down a topic into smaller parts, students can make information into useful knowledge.

To start with, teachers could adopt this lesson plan, and make use of BrainPOP Jr.’s topic **Concept map**, and then **any topics** that fits in the curriculum.



Concept maps <https://jr.brainpop.com/readingandwriting/writing/conceptmaps/>



Caring for Teeth <https://jr.brainpop.com/health/teeth/caringfortooth/>

Suggested lesson plan (60-70 mins, 2 lessons)	
Objective	Students will: <ul style="list-style-type: none"> ● Record what they are learning progressively with concept maps ● Learn about ways to take care of their teeth.
Lesson 1 activity	<ol style="list-style-type: none"> 1. [10 mins Whole class] Warm up <ul style="list-style-type: none"> ● Show the webpage of the movie to students. Ask questions, E.g. <i>What can you see in the picture? What are Annie the girl and Moby the robot going to tell us?</i> 2. [20 mins Whole class] Play the movie <ul style="list-style-type: none"> ● Play the movie. Press the space bar on the keyboard to pause the movie and ask questions: ● <i>What are concept maps? Why are concept maps useful? What are the steps</i>

	<p>to create a concept map? Etc.</p> <ul style="list-style-type: none"> ● Explain steps of creating a concept map on the platform: ● Decide a topic, drag in shapes to write your own ideas, drag in pictures or words, click on play button on the word if you want to watch clips about it, insert clips screenshots, draw arrows to connect the ideas and show relationships among the ideas
Lesson 2 preparation	<p>3. [20 mins Whole class]</p> <ul style="list-style-type: none"> ● Give the link or QR code of the topic ‘Caring for teeth’ to the students, and ask them to watch the MOVIE at home. ● Ask students to draft a concept map based on the topic ‘teeth’ and submit it to the teacher. ● Teacher could check the concept maps and plan the lessons accordingly.
Lesson 2 activity	<p>4. [15 mins Whole class] Play video</p> <ul style="list-style-type: none"> ● Show the concept maps of a few students. ● Play the video on class, pause and go through concepts. <p>5. [15 mins Whole class] Further teaching</p> <ul style="list-style-type: none"> ● Teach with textbook or other teaching materials. <p>6. [5 mins Whole class] Assignment</p> <ul style="list-style-type: none"> ● Ask students to go back to the concept map and enrich it during weekend or holiday and submit it for the second time.
Tips	<p>Further teaching and learning ideas with concept maps:</p> <p>A. Peer learning</p> <ul style="list-style-type: none"> ➤ Let students do presentation about what they have gained during the process of learning. ➤ Teacher could display the concept maps on the classroom board to promote peer learning. <p>B. Self-learning</p> <ul style="list-style-type: none"> ➤ If time allows, let students update the concept map several times during the process of learning a topic. ➤ The concept maps will be useful for doing revision before tests and exams. <p>For more graphic organisers, please visit here at BrainPOP Educators.</p>

eREAP – BrainPOP Jr.: 以概念圖記錄學習歷程和評估（教學建議）

概念圖(concept map)用途廣泛，除了可用作構思文章外，原來更可以幫助教師評估學生的學習進度，並幫助學生記錄學習歷程，製訂有效的學習策略。學生通過概念圖將主題拆解，能有效將資料轉化為屬於自己的知識。

教師可以善用此教學建議，以 BrainPOP Jr. 的課題「**Concept maps**」教授概念圖基本知識，再與課程配合的其他課題搭配使用。



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Caring for Teeth <https://jr.brainpop.com/health/teeth/caringfortooth/>

建議教案 (60 - 70 分鐘 / 2 課節)	
Objective	學生能： <ul style="list-style-type: none"> ● 用概念圖逐步記錄學習歷程及整理知識 ● 了解如何照顧自己的牙齒
Lesson 1 activity	<ol style="list-style-type: none"> 1. [10 mins 全班] 熱身 <ul style="list-style-type: none"> ● 向學生展示影片封面圖。提出一些問題，引發學生思考，例如：What can you see in the picture? What are Annie the girl and Moby the robot going to tell us? 2. [20 mins 全班] 播放影片 <ul style="list-style-type: none"> ● 播放影片。按鍵盤上的空格鍵暫停影片並提出問題： ● What are concept maps? Why are concept maps useful? What are the steps to create a concept map? Etc.

	<ul style="list-style-type: none"> ● 講解在 BrainPOP Jr. 平台製作概念圖的步驟： ● 決定主題，加入圖畫、圖片、文字或影片片段，點按詞彙上的播放按鈕可聽該字的發音，以箭咀連接顯示概念之間的關係 ●
Lesson 2 preparation	<p>3. [20 mins 全班]</p> <ul style="list-style-type: none"> ● 給予學生「Caring for Teeth」的連結或 QR code，著他們在家觀看影片。 ● 著學生以「牙齒」為主題製作概念圖，並透過平台提交給教師。 ● 教師可以查看概念圖，了解學生的學習需要並設計課堂。
Lesson 2 activity	<p>4. [15 mins 全班] 播放影片</p> <ul style="list-style-type: none"> ● 隨機展示數位學生的概念圖。 ● 在課堂上播放影片，可隨時暫停影片並講解重要概念。 <p>5. [15 mins 全班] 深入教學</p> <ul style="list-style-type: none"> ● 以教科書或其他教材進一步教授此課題。 ● [5 mins 全班] 宣佈功課 ● 著學生用周末或假期的時間，在他們概念圖上拖延伸、補充、加入新資料，並再一次提交。
Tips	<p>其他使用概念圖的學與教活動：</p> <p>A. 同儕學習</p> <ul style="list-style-type: none"> ➤ 讓學生在班上分享他們在學習過程中的得著。 ➤ 在課室壁報板上展示全班同學的概念圖，促進學生彼此學習。 <p>B. 自學</p> <ul style="list-style-type: none"> ➤ 如果時間許可，讓學生在學習過程中每星期更新概念圖，如此便能有一個完整的學習歷程紀錄。 ➤ 概念圖將有助學生於在測試和考試前進行溫習。 <p>若想使用其他組織圖 (graphic organisers)，可按此 連結。</p>