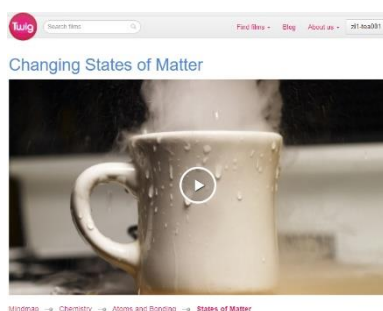


eREAP – Twig Suggested Lesson Plan

We can see our breath and water vapor formed on windows in winter. How could your students explain this kind of interesting natural phenomena? Help students find out the reasons in the video '[Changing States of Matter](#)'.

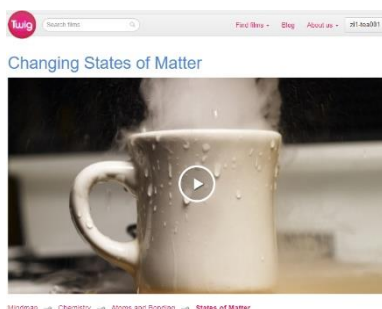


Suggested Lesson Plan

Preparation	<ol style="list-style-type: none"> 1. Give the link or QR code of the topic to the students, and ask them to watch the FILM at home. 2. Ask students to complete 'Quiz' or 'Advanced Quiz'.
During-class activities	<ol style="list-style-type: none"> 3. [5 mins, whole class] <ul style="list-style-type: none"> ● Watch the video again, ask concept check questions to make sure most students are able to grasp the concepts. E.g. What is 'gas'? Can you give an example of each state? 4. [15 mins, whole class] <ul style="list-style-type: none"> ● Print and distribute 'Whole Topic Handout PDF'. Further elaborate the topic or ask students to revise at home. Students can work in pair to complete the questions on the worksheet.
After-class activity	<ol style="list-style-type: none"> 5. Ask students to take a video on 'Changing States of Matter', and share on the online teaching and learning platform. Explore their findings in the next lesson.

eREAP – Twig 參考教案

生活離不開科學。每逢冬天，我們說話和呼吸時都會有煙冒出，室內的玻璃表面亦常有濕氣和水珠。您的學生懂得解釋這些常見的自然現象嗎？教師不妨透過 Twig [「Changing States of Matter」](#) 的影片，幫助學生了解箇中科學原理。



建議教案

課前活動	<ol style="list-style-type: none"> 將課題的 網址 或 QR code 給予學生，讓他們在家先行觀看影片。 讓學生在家為完成「Quiz」或「Advanced Quiz」。
課堂活動	<ol style="list-style-type: none"> [5 分鐘 全班] <ul style="list-style-type: none"> 與學生再次觀看影片，提問一些問題，例如：What is 'gas'? Can you give an example of each state?，以確保他們掌握基本概念。 [15 分鐘 全班] <ul style="list-style-type: none"> 列印並派發「Whole Topic Handout PDF」，老師可在課堂上再作補充，或讓同學回家重溫。學生可兩人一組，合作完成工作紙上的題目，以鞏固知識。
課後活動	<ol style="list-style-type: none"> 著每位學生在課餘時間留意身邊事物，拍攝有關「Changing States of Matter」這課題的影片，再上傳到常用的教學網上平台，並於下一堂作深入探討。