* **AQA Lesson Plan**: This resource outlines a one-hour lesson plan designed to teach the concepts of data compression, including both lossy and lossless methods. It includes learning objectives, required prior knowledge, lesson preparation details, and specific activities to help students understand the principles and applications of compression techniques. You can access the detailed lesson plan [here](https://www.aqa.org.uk/resources/computer-science-and-it/as-and-a-level/computer-science-7516-7517/teach/sample-lesson-plan-data-compression)​ ([AQA](https://www.aqa.org.uk/resources/computer-science-and-it/as-and-a-level/computer-science-7516-7517/teach/sample-lesson-plan-data-compression))​.
* **TeachComputing.org**: This lesson introduces students to data compression, focusing on why it is needed and the differences between lossy and lossless compression. The package includes lesson plans, learning graphs, unit overviews, and activities. It’s part of a comprehensive curriculum provided for free after registration. Find more details [here](https://teachcomputing.org/curriculum/key-stage-4/data-representations/lesson-15-lossy-and-lossless-compression)​ ([Teach Computing](https://teachcomputing.org/curriculum/key-stage-4/data-representations/lesson-15-lossy-and-lossless-compression))​.
* **Digital Technologies Hub** students will modify the filter to find a balance between quality and small file size. This lesson employs data representation, abstraction, pattern recognition, data analysis, and algorithm design. <https://www.digitaltechnologieshub.edu.au/teach-and-assess/classroom-resources/lesson-ideas/data-compression/>
* Khan Academy

<https://www.khanacademy.org/computing/computers-and-internet/xcae6f4a7ff015e7d:digital-information/xcae6f4a7ff015e7d:data-compression/a/file-compression-introduction>