COVID-19 and a reduction in examinable course content for 2020-21

I write to you as Chair of the Learned Societies’ Group on Scottish STEM (Science, Technology, Engineering and Mathematics) Education (the LSG). The LSG brings together the learned societies and professional associations to identify and promote priorities for STEM education in Scotland. The LSG comprises the: Association for Science Education; British Computer Society, The Chartered Institute for IT; Edinburgh Mathematical Society; Institute of Physics; Royal Society of Biology; Royal Society of Chemistry; Royal Society of Edinburgh; and the Scottish Mathematical Council. While all of these organisations are individually active in their own right in supporting STEM education in Scotland, the LSG provides a forum for them to come together to discuss and take action on shared interests and concerns.

The ongoing disruption to learning due to the COVID-19 pandemic has not only reduced the effectiveness of teaching and learning for pupils during session 2019-2020 but also for the start of 2020-2021. Especially in subjects such as the sciences, which have a practical element, preparation of pupils cannot be as effective using remote and online teaching strategies as normal face-to-face classroom and laboratory learning under the direct supervision of a teacher. It is the custom and practice for most schools in Scotland to change timetables and start new courses sometime during May or June. The preparation of pupils for the externally assessed courses at National 5, Higher and Advanced Higher, all generally run as one-year courses, will therefore be significantly disrupted during 2020-2021.

It would be unreasonable to expect the same extent of course content to be assessed in external examinations and assignments in the 2021 assessment diet as would normally be the case. If the assessed content of courses is to be reduced for session 2020-2021, it is important that the decision as to which parts of courses are to be removed are made soon and communicated clearly to schools,
teachers and pupils. As teachers have flexibility in deciding on the order of teaching of courses, if this is not done very soon, preferably by the first week of June 2020, it is inevitable that some pupils will be disadvantaged as they may spend time studying the parts of the courses removed during this early part of the 2020-2021 session.

The Learned Societies’ Group is well placed to draw upon its collective experience and networks to support this process. We would be pleased to discuss this further. To this end, we would be grateful if you could follow up with the LSG’s secretary, Daria Tuhtar, dtuhtar@therse.org.uk, 0131 240 5006

Yours sincerely,

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Chair of the Learned Societies’ Group

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