

## Some recent efforts and future activities of JpGU for the next high school national curriculum revision

MIYAJIMA, Satoshi<sup>1\*</sup> ; ABE, Kunihiro<sup>2</sup> ; IIDA, Kazuaki<sup>3</sup> ; UEMURA, Takeshi<sup>4</sup> ; OBI, Yasushi<sup>5</sup> ; KAWAGATA, Shungo<sup>6</sup> ; KAWAMURA, Norihito<sup>7</sup> ; KOBAYASHI, Norihiko<sup>8</sup> ; TAKIGAMI, Yutaka<sup>9</sup> ; NEMOTO, Hiroo<sup>10</sup> ; NOUMI, Fuminaga<sup>11</sup> ; HATAKEYAMA, Masatsune<sup>12</sup> ; MANNEN, Kazutaka<sup>13</sup> ; MINAMISHIMA, Masashige<sup>14</sup> ; YAJIMA, Michiko<sup>15</sup> ; YAMASHITA, Satoshi<sup>16</sup> ; WATANABE, Masato<sup>17</sup>

<sup>1</sup>Saitama prefectural Fukaya dai-ichi High School, <sup>2</sup>NPO corporation nature reproduction center toward "the rich sea mingled with fresh water area clean, <sup>3</sup>Urawahigashi high school,Saitama, <sup>4</sup>Kaijo Junior and Senior High school, <sup>5</sup>Kanagawa Prefectural Sagami-hara Seiryō High School, <sup>6</sup>Faculty of Education and Human Sciences, Yokohama National University, <sup>7</sup>Faculty of Education and Human Studies, Akita University, <sup>8</sup>Seibu Gakuen Bunri High School, <sup>9</sup>Kanto Gakuen University, <sup>10</sup>J.F.Oberlin University, <sup>11</sup>Saitama Municipal Sashiougi Junior High school, <sup>12</sup>Seiko Gakuin High School, <sup>13</sup>Hot Springs Research Institute of Kanagawa Prefecture, <sup>14</sup>Tokyo Metropolitan Ryogoku Senior High School, <sup>15</sup>Tokyo Medical and Dental University, <sup>16</sup>Saitama Prefectural Kumagaya Girls' Upper Secondary School, <sup>17</sup>Miyamaedaira elementary school

From 2012, the new national curricula standards has been in effect according to Ministry of Education, Culture, Sports, Science and Technology guidelines.

Among most high school students three or more subjects are chosen from the following four subjects; Basic Physics, Basic Chemistry, Basic Biology and Basic Geoscience.

As a result, The number of students who choose Basic Geoscience in 2014 has increased by about 3.5 times compared with that of the number under the former national curriculum guidelines, and some improvement came to be seen in people's geoscience literacy.

During this time, the Educational Affairs Committee of JpGU, in preparation for the next national curriculum revision, consider the way of desirable high school geoscience education through preliminary discussion in the study meeting (December 2012) and symposium (May 2013).

In order to raise geoscience literacy, it is necessary for the number of students studying geoscience to increase even more.

It is necessary to discern what is asked of high school geoscience education by society, and include the appropriate contents.

In order to allow students to learn the content effectively, we need to discuss what kind of subject setup is desirable.

In this session, based on the discussions so far, we present three drafts about the subject setting of a high school geoscience with different points of view. In addition, we plan to deepen discussion about the future direction of geoscience education taking into consideration the presentation about expectations for geoscience education from people who do not specialize in science.

Keywords: next national curriculum revision, high school geoscience education, subject setting