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Poster | Symbol O (Public) | Public

## [O-04\_29PO1]Poster presentations by senior high school students

Tue. Apr 29, 2014 1:45 PM - 3:15 PM Poster (3F)

Senior high school students show poster presentations on topics in fields of earth and planetary science. We provide an opportunity for senior high school students to give their presentations in the conference and to have discussions with them. This session has been presented as a public outreach session since 2006. The JpGU Publicity and Outreach Committee members are conveners of this session.

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2:45 PM - 3:15 PM

## [O04-P55]Examination of “Tatara” products

\*Kaoru MIZOGUCHI<sup>1</sup> (1.Yokohama Science Frontier High School)

Keywords:金属,化学

### 【概要】

昨年度に引き続き、本校校庭で二度目の『たたら製鉄』を行った。『たたら製鉄』は、日本の伝統的な製鉄法で得られた鉄は日本刀の作成などに用いられる。今回の『たたら製鉄』では昨年度の反省を生かし、ノロ出し(不純物を取り除く作業)で採取したノロを生成段階ごとに蛍光 X線分析を行い、ケラ(最終的に得られる鉄)の純度を高める方法を模索したほか、ケラ・ノロ・砂鉄の表面観察を行った。また、レンジ製鉄にも挑戦してたたらとの比較を行った。