

1969

NSTA Science Source Book for Junior High Teachers Available

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approaches which are designed to emphasize the complexities and the interrelation of scientific ideas. These materials can be used as a part of a course and again utilize such materials at a research level while maintaining basic features of group instruction.

Seminar approaches lend themselves to some of the problem courses and to the courses dealing with philosophy of science and the interrelationship of science and society. These methods where inquiry techniques are utilized are now common in the new approaches to instruction in the social studies.

The project approach which was common fifteen to twenty-five years ago has a new place in connection with instruction in the technologically related courses. Such activity retains interest while providing the students an opportunity and a need to review basic concepts. Differences between science and technology can also be emphasized. It is important for the students to discover the dependency of technological advances upon basic science.

In summary. The secondary science curriculum has not changed significantly while we have been concerned with the great interest and activity involved with producing "new" science courses on the national scene. Some changes are needed if the science instruction in our schools is to be relevant to all students both now and in the future. We need to cooperate with other departments and other teachers in a concerted effort to make our study of science meaningful to the present and future lives of students.

We need certain basic curriculum changes as well as new instructional patterns if our effect upon students in secondary science is to be realized to its fullest potential. We need science programs which are relevant now and tomorrow. We need science instruction which is different from the programs and methods which *we* have experienced as students.

NSTA Science Source Book for Junior High Teachers Available

"A Universe to Explore," a source book resulting from a joint project of the National Aeronautics and Space Administration and the National Science Teachers Association, features illustrated lessons in space science that have been successfully performed by junior high school students.

Twenty junior high school teachers coordinated their planning with officials at NASA's Goddard Space Flight Center, Greenbelt, Maryland. The teachers worked out the activities described in the book with their students who contributed significantly to the material.

Content ranges from the earth and the celestial sphere to solar cells and power sources for spacecraft. One section details how to simulate the space environment in the laboratory.

"A Universe to Explore" is available for \$4 from the National Science Teachers Association. A discount of 10 per cent is applicable on request for more than one copy to ten. With an order of ten or more copies, a 20 per cent discount applies.