

17th Annual Conference

HOWARDS THE REALIZATION OF THE GOALS OF NATIONAL PROPERTY OF THE GOALS OF T ISIGN OF ADDOLATE WORKSHOP TOOLS AND EQUIPMENT 叉 TECHNOLOGY

RUFAI AUDU

rial And Technology Education De

present the most for provision of adequate workshop tools and equipment for training in Limitiasions are drawn and recommendations made in order to generate funds mudestuate supply of workshop tools and equipment in technology education wordshop wols and equipment in technology education and the

TELEBRICA COLOR

mersion resorted to talking to students about technology. This is because practical activities an exercised technology education no longer features in their lessons because the teaching security and equipment are no longer available. Teachers of technology education have and evel Laboratories and workshops have been turned into classrooms because the book contain and technology education in particular has received its own share of blows thrown by execution depression Educational infrastructure is decaying. The teacher's morale is at the economy of Nigeria is presently characterized by very deep depression. Education

at skills required for aperating muchines of doing any specific job and also provide such Superary The next for adequate supply of workshop tools and equipment in our technology surgue sapily of workshop tools will facilitate training to prepare young people for work at the pre-requisite for technological development and self-reliance (Oranu et al. 1992) media institutions need not be overemphasized. Technology education serves as a vehicle has the present economic crunch it becomes highly uncertain that the government knowledge and skills that are required for technological development (Ohikhena, 1974), with the is inline with the objectives of NEEDS.

Concept Of Technology Education, Workshop Tools And Equipment. Technology Education, Workshop Tools And Equipment of the second control of the second control of the second control of the second of the seco experiences of the individual whereby he learns successfully to carry on gainful occupation. (Olaitan, 1986). Technology education deals with techniques such as skills, ability, expensationals aptitude, creativity and knowledge, which are essential ingredient for effective technolog and economic development of a country.

The National Policy on Education, (1998) defined technology education as a form of education which is obtainable at the technical colleges, designed to prepare individuals to acqui practical skills as well as basic scientific knowledge required to produce craftmen technicians at sub-professional level. The educational policy also specify the aims

vocational education as to:

Provide trained manpower in applied sciences, technology and business particularly at e and advanced craft and technical levels.

Provide the technical knowledge and vocational skills necessary for agriculture commen and economic development.

Give training and impart the necessary skills to individuals who shall be self-relieconomically.

The organs of technology education include automobile technology, building technology electrical / electronics technology, metal work technology, wood work technology, appli mechanics / engineering science, maintenance and repairs of equipment, material technolog food, agric, mechanization e.t.c source National Board for Technical Education, (1985).

All these segments of technology education cannot survive without adequate provision relevant and sufficient equipment, tools and consumable materials for practical in their areas specialization. These tools ranges from simple hand operated machines to complex comput controlled machines capable of great precision. (McCarthy, et al, 1984). According to Ain (1981). If we must transform our ambiguous program of technological advancement in effective vehicle of development, then equipment, tools and materials required for training middle level manpower must be given utmost priority by the government, to enable individua to acquire the practical skills to be employed or become self employed which is inline with the objective of National Economic Empowerment Development Strategy (NEEDS).

National Economic Empowerment Development Strategy (Needs)

Under NEEDS, education is considered the key bridge to the future. Thus, education is a ke instrument to empower the individual to take charge of their lives in the future. In this regar the strategy will aim at the empowerment of the citizenry to acquire skills and knowledge the would prepare them for the world of work. In order to achieve this, it will address the following crucial issues:

Faithful implementation of the free compulsory Universal Basic Education Law to amon

Improve education infrastructure Expand institutional capacity to produce quality manpower,

Expand total school enrolment to reduce the literacy level #

Review of school curricula from primary to tertiary to incorporate vocational and entrepreneurial skills.

Re-tooling and re-positioning of technical schools to be able to address the technical Establishment of more vocational centres to encourage Nigerians to embrace vocational

Review of school curricula at all levels to incorporate the study of information and

Sustain existing vocational / on-the-job training programmes of the Federal Government

The National Youth Service Corps will be reviewed with a view to using a good part of the service year to develop entrepreneurial and basic business skills in the corps members. The orientation period will be extended to include a one - month period for formal training on entrepreneurialship. Following the training Corp members will be posted mainly to industrial (including small scale enterprises) and agricultural concerns so that the exposure will encourage them to consider the possibilities of post service self-employment. (Nig. With this development the possibility of achieving the aims and objectives of technology education will be greatly enhanced by giving individuals training and imparting the necessary skills to become self-reliant economically as stipulated in the national policy on education, revised (1998).

Importance Of Workshop Tools And Equipment In Technology Education.

The role workshop tools and equipment can play in technology educational institutions in the training of students for the acquisition of practical skills to become self-reliant economically cannot be over emphasized. Where tools and equipment are available for use in the school workshop, it enables the students to use both hands and brains in learning. This places then in a better position with adequate skills to produce materials by themselves through projects for example spanners, relays, amplifier, models in building etc.

Skills development by students through the use of tools, equipment and machines in the school workshop promote their desire to be creative, producing models and other samples

that could be sold for revenue for the institutions concerned.

For a nation to develop, there must be a sound technological know-how. This of courses has to be achieved if the learners are equipped with tools to work and to practice with these workshop tools and equipment supplied, the learners would be relaxed at work or training

and practice with great confidence.

Skilled students as a result of adequate utilization of workshop tools and equipment would also be engaged in repairs and maintenance of broken-down tools and equipment which are common in our technology education workshop. This would promote facility management and reduce wastage.

Problems Of Inadequate Supply Of Workshop Tools And Equipment In Technology Education Institutions.

With inadequate supply of workshop tools and equipment, technology education institutions produce graduates that are half-baked or unproductive because they lack the practical knowledge to enable them fit in to the world of work and become useful to themselves and their society.

Training given in the institutions are more theoretical than practical and since the teacher could not give more than he has he limits his trainees to only the theories of technology as

It is evaluat enough that most workshops in our technology education institutions I adequate tools and equipment that will enable the students carryout practicals to acquire? necessary skills to make them to be employed or become self-employed. This happens to

Therefore, government alone can not fund technology education, with the recent par the stain goals and asporations of NEEDS. reforms on privatization and liberalization, all stakeholders in technology education must hands on deck to ensure that technology education is adequately funded in under to provide to be able to address the manpower need of the economy in line with the objectives of NEEL

Provision of adequate workshop tools and equipment in our technology education institution is capital intensive. Therefore, government cannot single hundedly finance educati adequately hence the need for additional sources of funding. In order to provide adequaworkshop tools and equipment in our technology education institutions, the follows recommendations are made.

Workshops in technology education institutions have production units. These units that be adequately funded so as to be resourceful and productive. They can help in maintenance and repairs of equipment and facilities in the institution; while at the sm time selling the products of their units to generate revenue.

The community should be involved in the provision of infrastructural facilities workshops, tools and equipment that will be used by technology education students.

The private sector, manufacturers and other employers of labour have a big role to play The private and the first of the Education Trust Fund (ET funding account dedicated to technolog education. The money should be used to procure equipment, machines, tools and oth infrastructral facilities.

Non-governmental organizations (NGOs) should go into effective networking a Non-government and machines in the content to generate funds for it procurement of tools, equipment and machines in the workshop.

the minute of the contract and districtions from wealthy individuals productional productions are contracted to the factor of the contract of

auterent?

- Alla ST (1981), Infiniteles of School also on Laborations Planuting to Superior to Advance S. (1981) Introduction to Education Planuting U.S. I beresiste at its Superior
- potent Government vi. Nigeria. (1998). National Policy on Education. Pages. Stream McCarley, W.J. et al., (1988). Machine Poul Technology University, Maximight Poststrong.
- Sugaran Centificate in Defocation, (1985). "Curriculum and Madule Spacification", 2001; [198] Tocomon, Kaduna Chasaki Press Limited
- Nipola (2004) National Economic Empowerment Development Strategy (NEADS): Abuja, National Planning Commission, Federal Secretarial Abuja
- canhon, T.O. (1974). Introducing Elementary Technology into Secondary Education, West. African Journal of Education (WAJE) 1 (18)
- Ohomo, S.O. (1986): Vocational and National Manpower Development Constraints and Strategies in Ojo, F. Aderinto, A and Pascyin, T. (Eds.) Manpower Development and Difficution in Nigeria, Lagos University press
- Ount, R.N. et al. (1992) "Sources of Funding Viscotional Technical Education for a Sett Reliant Nation", Nigeria Vocational Association Nisokka