

Summary

Technical and vocational education in China has gone through several phases since the modern system was created in 1949: to cultivate urgently needed talents for the construction of new China, work-study system in the 1960s, and in the 1980s, to promote vocational education as an important foundation for the economic development of the country. In the 21st century, technical and vocational education has triumphed in what might be described as “a great leap forward” that parallels China’s economic prosperity. The most important symbol is that the world’s largest framework of technical and vocational system has been built in China. According to the mid-term assessment report of technical and vocational education in 2010 issued by the Ministry of Education, from the year 2010 to 2015, the enrollment of secondary vocational schools took up about 45% of senior high school level while the enrollment of higher vocational colleges in 2014 reached 3.3798 million, taking up 46.9% in the enrollment of higher education. There are 10 million in-school students. Technical and vocational colleges serve as an important base for cultivating high-quality talents of technology and provide nearly 10 million talents with techniques, which taking up 60% of the newly-employed workers, improving the quality of labor force in a large scale.¹

By the middle of this century, China will complete the fundamental change from a country with the biggest vocational education scale to a country with the most developed vocational education. In this process, the gradual accumulation and leap are mutually intersected and weaving, which was embodied as the breakthrough stages. By 2020, modern technical and vocational education system with Chinese characteristics will be basically built, as a kind of complete and functional education type, it mainly embodies the characteristics of “big” and “full”. By 2030, efforts will be made to realize modernization of the system of governance and management capabilities, further perfect the system on the basis, form a more mature and stereotypes of system and mechanism, and improve the basic ability,

¹National Education Reform and Development of Long-term Planning Programs (2010–2020).

innovation ability, service ability and competition ability of vocational education comprehensively, which mainly reflected the “good” and “strong” characteristics. By the year 2050, vocational education and the whole education will have achieved the strategic objectives and China will become a country with developed technical and vocational education in the world.

References

- Bao, H. (2012). Development of teacher training in China. In *International Research and Training Centre for Rural Education (INRULED)*. <http://www.inruled.org/iERD/>. Retrieved February 5, 2014.
- Bao, Y. (2007). Problems in the building of higher education teachers and the countermeasures. *Journal of Tonghua Normal College* (12).
- Chen, X. (1999). *Education management*. Beijing: Beijing Normal University Press.
- Deng, Y. (2002). Curriculum reform is the safeguard to improve the development of secondary vocational education. *Forum of Vocational Education* (8).
- Dong, B. (2006). *Study on higher technical and vocational education*. Nanchang: Jiangxi College Publishing House.
- Dong, B. (2006). *Higher vocational pedagogy*. Nanchang: Jiangxi University Press.
- Dong, C. (2001). Suggestion on developing the synthetical curriculum in some secondary vocational schools promulgate by the General Office of the Ministry of Education. *Chinese Technical and Vocational Education* (10).
- Du, J. (2005). *Study on technical and vocational education under socialism market-driven economy*. Beijing: Economic Science Press.
- Du, Y., Yao, Y., & Li, X. (2007). *Discussion on adult education development*. Beijing: China Remin University Press.
- Feng, H. (2001). Research of higher professional schools' setting and management problems. *Education & Profession* (12).
- Guo, Y., & Chen, J. (2007). Preliminary analysis on the level of technical and vocational education teaching faculty construction. *Vocational Education Forum* (12).
- Gu, L., & Wu, X. (1999). *Macro manual*. Zhengzhou: Henan People's Press.
- Hao, K. (2000). Several questions on rigorously developing vocational education. *Educational Research* (9).
- Hao, X., & Ren, C. (1999). Analysis on the reform and development of Chinese vocational education. *Journal of Northeast Normal University* (2).
- Huang, X. (2005). Credit system—The actual need of VTE reform. *Chinese Technical and Vocational Education* (25).
- Jiang, L. (2001). The present situation & trend of middle vocational school's specialty setting. *Education Science Research* (6).
- Jiang, N. (2001). Credit system, flexible course and course management. *Vocational Education* (19).
- Li, C. (2007). Practice and thinking on how behavior-oriented teaching mode optimize classroom teaching. *Health Vocational Education* (14).
- Li, H. (2008). Practical exploration on teaching modes of combination of working and studying in technical and vocational junior colleges. *Vocational Technology* (2).
- Li, H. (2006). *Study on the curriculum reform of higher vocational education*. Master's Thesis of Northeast Normal University.

- Li, Y., & Cui, Y. (2004). Analysis on the professional development of vocational education teachers. *Chinese Vocational and Technical Education* (20).
- Liu, C., & Xu, C. (2002). *Vocational pedagogy*. Beijing: Education Science Publishing House.
- Liu, H. (2004). *Vocational pedagogy*. Guangzhou: Guangdong Higher Education Press.
- Liu, H. (2004). *Study on technical and vocational education*. Guangzhou: Guangdong Education Publishing House.
- Liu, J. (2007). Preliminary study on formulating two-year schooling system of higher education of the textile technology profession. *Guangxi Light Industry* (11).
- Liu, L. (2004). *The research of present situation & solution of specialty setting in middle vocational schools in Xuzhou*. Master's Paper from Tianjin University.
- Ma, Z. (1999). The basic constitution of macao technical and vocational education. *Education Review* (5).
- Micheal, E. (1999). *Kinds of professional knowledge: Modes of knowledge use and knowledge creation*. Washington, D.C.: Falmer Press.
- He, O., Huang, L., & Wang, J. (2003). *Research and Reflections on Higher Professional Education Development in Hunan*. <http://www.edu.cn>.
- Qin, X. (2013). Research on comprehensive teaching design for engineering courses in higher vocational colleges based on the integration of work and leaning. *Modern Vocational Education* (6).
- Risler, M., & Zhao, Z. (2014). Apprenticeship and small and medium-sized enterprises—The China case. Regional Association for Vocational Teacher Education in Asia, Chiangmai. <http://ravte.asia/study-8-now-online-apprenticeship-and-small-and-medium-sized-enterprises-the-china-case/>. Accessed 5 April, 2015.
- Shao, A., Liu, Y. (2008). Thinking about Connotation of the Vocational Education Teachers' Specialization. *Adult Education* (2).
- Sun, Z. (2005). *Study on the relation of credit system and the curriculum reform of secondary vocational education*. <http://www.hvae.com.cn/jiaoxuegaige/ShowArticle.asp?ArticleID=258>.
- Wang, M. (2004). The development of higher vocational education. Beijing: Education Science Press.
- Wu, X. (2001). Technical and vocational education in Taiwan. *Technical and Vocational Education* (13).
- Wu, X. (2007). *Basis and application-study on the policy of higher vocational education*. Hangzhou: Zhejiang Education Press.
- Wu, X. (2007). *Fundamental and applicable—Study on higher vocational education policy*. Hangzhou: Zhejiang Education Press.
- Xie, Y. (2004). *Research of higher professional schools' specialties setting*. Doctor's Paper from Tianjin University.
- Yang Bo (2005). Study on the inner operating management mechanism of higher vocation. *Education Exploration* (5).
- Yu Z., et al. (2016). Transferring from a great nation to a powerful nation of technical and vocational education. *Technical and Vocational Education* (6).
- Yu, Z. (2009). School-enterprise cooperation mechanism in VET. *Chinese Vocational and Technical Education* (4).
- Zhou, Y. (2007). On the construction of teaching troop in secondary vocational education. *Education and Vocation* (12).
- Zhao, Z. (2001). Teaching organization and methods of higher technical and vocational education. *China Higher Education Research* (4).
- Zou, T., Liu, C., Ji, Z. (1992). *Vocational and technical pedagogy*. Beijing: Education Science Publishing House.

Documents

- General Office of the Ministry of Education of the People's Republic of China. *Notice on establishing diagnosis and improvement institution in vocational schools of the general office of the ministry of education* [EB/OL]. http://www.moe.edu.cn/srcsite/A07/moe_737/s3876/201507/t20150707_192813.html, 2015-06-23:1.
- General Office of the Ministry of Education of the People's Republic of China. *Teaching standard of secondary vocational school* [EB/OL]. http://www.moe.edu.cn/publicfiles/business/htmlfiles/moe/moe_721/201405/169178.html, 2014-04-30.
- Government of the People's Republic of China. *Simple reading of 2016 report on the work of the government* [EB/OL]. http://www.gov.cn/xinwen/2016-03/05/content_5049333.htm, 2016-03.
- Jiangsu Provincial Education Examination Authority. *Notice on implementing separate entrance reform of higher vocational schools in 2015 of department of education of Jiangsu Province* [EB/OL]. http://www.jseea.cn/contents/channel_26/2014/12/1412311159766.html, 2014-12-31.
- Ministry of Education of the People's Republic of China. *Action Plan on Improving Management of Vocational School (2015-2018)* [EB/OL]. http://www.moe.edu.cn/jyb_xwfb/s271/201509/t20150917_208782.html, 2015-09-17.
- Ministry of Education of the People's Republic of China. *Construction achievement of training base supported by the central finance* [EB/OL]. http://www.moe.gov.cn/s78/A07/zcs_left/zywlm_zhgg/s3060/s3062/201412/t20141222_182161.html, 2014-12-22.
- Ministry of Education of the People's Republic of China. *Innovation and development action plan of higher vocational education* [EB/OL]. http://www.moe.gov.cn/srcsite/A07/moe_737/s3877/201511/t20151102_216985.html, 2015-10-12.
- Ministry of Education of the People's Republic of China. *Notice on confirming construction program of 2014 teaching resource library of vocational education of ministry of education.*
- Ministry of Education of the People's Republic of China. *Notice on confirming construction program and bonus program of 2015 teaching resource library of vocational education of ministry of education* [EB/OL]. http://www.moe.gov.cn/srcsite/A07/moe_737/s3877/201507/t20150727_195705.html, 2015-06-30.
- Ministry of Education of the People's Republic of China. *Mid-stage assessment of national education plan (2010–2020)—Appraisal report of vocational education* [EB/OL]. http://moe.edu.cn/jyb_xwfb/xw_fbh/moe_2069/xwfbh_2015n/xwfb_151202/151202_sfc/201512/t20151202_222297.html, 2015-12-02:3.
- Ministry of Education of the People's Republic of China. *National medium and long-term educational reform and development program (2010–2020)* [EB/OL]. http://www.moe.gov.cn/jyb_xwfb/s6052/moe_838/201008/t20100802_93704.html, 2010-07-29:21.
- Ministry of Education of the People's Republic of China. *Notice on implementing annual quality report system of secondary vocational schools of office of the ministry of education* [EB/OL]. http://www.moe.edu.cn/srcsite/A07/s7055/201601/t20160126_228908.html, 2016-01-12:3-4.
- Ministry of Education of the People's Republic of China. *Opinions on carrying out apprenticeship pilot of ministry of education* [EB/OL]. <http://www.moe.edu.cn/publicfiles/business/htmlfiles/moe/s7055/201409/174583.html>, 2014-08-25:4.
- Ministry of Education of the People's Republic of China. *Opinions on Deepening Vocational Education and Teaching Reform and Improving the Quality of Talent Cultivation of Ministry of Education* [EB/OL]. http://www.moe.gov.cn/srcsite/A07/moe_953/moe_958/201508/t20150817_200583.html, 2015-07-25: 3-4.
- Ministry of Finance of the People's Republic of China. *Opinions on establishing and completing the average appropriation system directed by reform and performance and accelerating development of higher vocational education* [EB/OL]. http://jkw.mof.gov.cn/zhengwuxinxi/zhengcefabu/201411/t20141128_1161021.html, 2014-10-30:3.

- Ministry of Education of the People's Republic of China. *Opinions on improving higher education quality of ministry of education* [EB/OL]. http://www.moe.edu.cn/publicfiles/business/htmlfiles/moe/s6342/201301/xxgk_146673.html, 2012-03-16:5.
- Ministry of Education of the People's Republic of China. *Revision note of category of higher vocational education specialty of general higher school 2015* [EB/OL]. http://www.moe.edu.cn/srcsite/A07/moe_953/moe_722/201511/t20151105_217877.html, 2015-10-28:1.
- Ministry of Education of the People's Republic of China. *2012 China education overview* [EB/OL]. <http://www.moe.edu.cn/publicfiles/business/htmlfiles/moe/s5990/201111/126550.html>, 2013-10-23:7.
- Ministry of Education of the People's Republic of China. *2013 China education overview* [EB/OL]. http://www.moe.gov.cn/jyb_sjzl/s5990/201503/t20150331_186797.html, 2015-03-31:5-7.
- Ministry of Education of the People's Republic of China. *2014 China education overview* [EB/OL]. http://www.moe.gov.cn/jyb_sjzl/s5990/201511/t20151125_220958.html, 2015-11-25:7.
- Ministry of Education of the People's Republic of China. *Opinions on promoting the recruitment system reform of higher vocational education* [EB/OL]. <http://www.moe.edu.cn/publicfiles/business/htmlfiles/moe/s3258/201306/152732.html>, 2013-04:1.
- Ningbo Haitian Group Corporation. *The 2016 annual quality report of Ningbo Haitian Group Corporation* [EB/OL]. http://www.tech.net.cn/web/rcpy/articleview_sch.aspx?id=4856, 2016-01.
- Shanghai Municipal People's Government. *Implementation plan on promoting the enrollment system reform of higher school* [EB/OL]. <http://www.shmec.gov.cn/html/xxgk/201409/420032014012.php>, 2014-09-18:3.
- State Council of the People's Republic of China. *Opinions on increasing education input of the state council* [EB/OL]. http://www.gov.cn/zwqk/2011-07/01/content_1897763.htm, 2011-07-01:2-4.
- The State Council of the People's Republic of China. *Decisions on accelerating vocational education of the state council* [EB/OL]. http://www.moe.edu.cn/publicfiles/business/htmlfiles/moe/moe_1778/201406/170691.html, 2014-05-02:6.
- UNESCO. *Rethinking education: Towards a global common good* [EB/OL]. <http://unesdoc.unesco.org/images/0023/002325/232555e.pdf>, 2016-03:10.
- Vocational & Adult Education Department of the Ministry of Education of the People's Republic of China. *Notice on submitting annual quality report of higher vocational schools (2014)* [EB/OL]. http://www.moe.gov.cn/s78/A07/A07_gggs/A07_sjhj/201311/t20131113_159343.html, 2013-11-11:3.
- Vocational & Adult Education Department of the Ministry of Education of the People's Republic of China. *Acceptance result of 2010 teaching resource library programs of higher vocational education* [EB/OL]. http://www.moe.gov.cn/s78/A07/A07_gggs/A07_sjhj/201310/t20131011_158260.html, 2013-10-09.
- Vocational & Adult Education Department of the Ministry of Education of the People's Republic of China. *Acceptance result of 2011 teaching resource library programs of higher vocational education* [EB/OL]. http://www.moe.gov.cn/s78/A07/A07_gggs/A07_sjhj/201301/t20130131_147396.html, 2013-01-30.
- Vocational & Adult Education Department of the Ministry of Education of the People's Republic of China. *Instruction on diagnosis and improvement of inner quality assurance system in higher vocational schools* [EB/OL]. http://www.moe.edu.cn/s78/A07/A07_gggs/A07_sjhj/201512/t20151230_226483.html, 2015-12-30:3-15.