

加拿大—中国教师教育和学校教育互惠学习项目

Reciprocal Learning in Teacher Education and School Education between Canada and China



Social Sciences and Humanities
Research Council of Canada

Conseil de recherches en
sciences humaines du Canada

Canada

会议简报

Skype Meeting Newsletter



University
of Windsor



圆的教学

Teaching "Circles" in Math

2018年12月6日早上7:30（重庆时间），12月5日晚上6:30（温莎时间），西南大学附小与West Gate Public School的视频会议于附小和润楼二楼集言厅及West Gate学校图书馆召开。会议就中加双方教师对圆的性质教学策略的异同展开了深入的交流讨论。与会人员有：West Gate小学团队 Jackie Connelly 校长、Kyle Pearce 老师（也是温莎公立教育局数学顾问）、Zoe 老师、Jennifer 老师；温莎大学：许世静教授、邱亦欣、马思敏、石嘉煊；西大附小团队：潘德来主任、杨偲寒老师、冯永权老师、杜俊宏老师、马骏老师等数学组教师；西南大学于波教授及数学组研究生胡嘉瑜、郑宇航、李淑彦，科学组陈名瑞、张桂花、陶飞等。

At 6:30 pm on Dec 7, 2018 (Windsor time), a Skype meeting was held between West Gate Public school and SWU Primary school. The teachers from both schools compared and discussed their ways of delivering lessons on circles in their respective classrooms.

Windsor attendees included: Mrs. Jackie Connelly (principal), Mr. Kyle Pierce (math consultant), Ms. Zoe Mactavish (kindergarten teacher) and Ms. Jennifer Pells Chrisholm (primary school teacher) from West Gate Public School; and Dr. Shijing Xu, Dr. Yishin Khoo, Ms. Simin Ma, and Ms. Jiangyang Shi from the University of Windsor.

Chongqing attendees included: Mr. Pan, Ms. Yang, Mr. Feng, Mr. Du, Mr. Ma and other math teachers from Southwest University Affiliated Primary School; and Professor Yu Bo and her graduate students from South West University.

会议开始，双方介绍了参会人员，许老师建议温莎和重庆姊妹校能够像多伦多上海姊妹校那样建立老师们之间的一对一的合作关系。

The Skype meeting started with a round of mutual introduction. Dr. Xu suggested teachers from both schools form one-on-one partnership in the way Toronto and Shanghai schools did.

接下来，加方解释了圆的性质：周长，面积，圆周率如何进行教学。

圆周率、周长：找圆柱形的物体，用绳子围一圈，引出周长的概念，再用绳子测量直径，寻找不同圆周长与直径之间的关系。

面积：一份披萨分成若干份扇形，将扇形拼成一个平行四边形，再由平行四边形的面积求出圆的面积。（在探究中学习，在学习中探究）

加方解释了“三步教学法”。第一步：激发小孩思考数学；第二步：动手探究；第三步：学生展示自己的探究方法，教师做巩固知识。

Next, Mr. Pierce, Mrs. Connelly, Ms. Mactavish and Ms. Chrisholm explained how they taught various properties of circles such as circumference, area, pi and radius in their classroom. They especially explained the idea of a “three-part lesson” and how they used it to stimulate children’s math thinking, engage students in inquiries, and consolidate their math understanding.

中方提出“巩固知识”这一步是由课堂巩固及家庭作业巩固两个方面组成，错误较多的习题第二天进行批改。

The teachers from SWU Affiliated Primary School shared that they also emphasized the importance of consolidating students’ knowledge. They normally do so through classroom teaching and giving students take-home assignments.

此次会议双方教师对彼此关于“圆”的教学表现出极大的兴趣并进行了激烈的探讨，认可彼此的教学理念，支持继续互惠学习。

Both Canadian and Chinese teachers showed great interest in each other’s way of teaching “circles”. Reciprocal learning took place as the result of both sides having a better understanding of each other’s teaching methods.

会议最后，许老师提议明年三月加方老师探访中国小学。中加姊妹校商议决定下次视频会将讨论特殊教育问题，视频会将于北京时间 2019 年 1 月 17 日晚上 7:30 召开。

Dr. Xu proposed a visit to Chinese schools next March break. The next Skype meeting between West Gate and SWU Affiliated Primary School will take place at 6:30 am, on January 16, 2019. The meeting will focus on the theme of special education.



图 1 加方激烈讨论 (discussions on Canadian side)

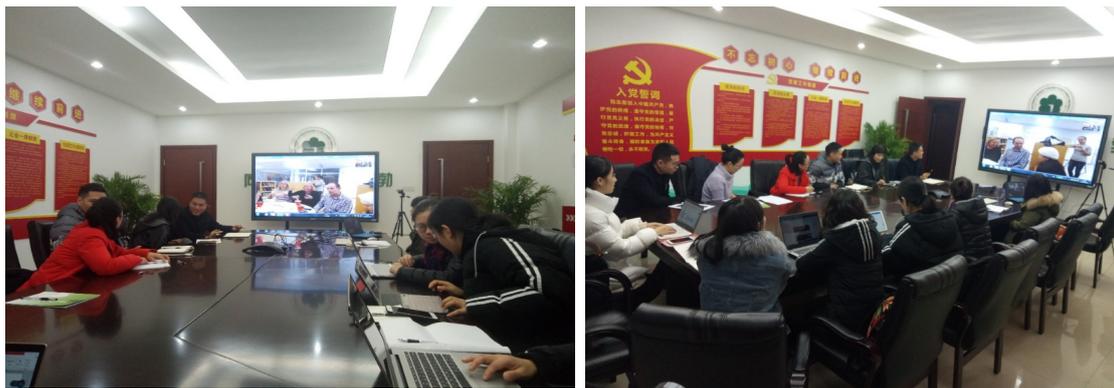


图 2 中方进行激烈讨论 (discussions on Chinese side)



图 3 中方参会人员 (Participants in China)



图 4 加方参会人员 (Participants in Canada)

通讯作者: 西南大学科学组陶飞, 陈名瑞, 张桂花

Communication Authors: Southwest University Science Team--Fei Tao, Mingrui Chen, and Guihua Zhang

校对: 温莎大学研究团队邱亦欣, 马思敏

Proofreading: UW Research Team--Yishin Khoo and Simin Ma