

# LABORATORIO “DISEGNO E COSTRUZIONE DI UNA STRUTTURA EDILIZIA CON CANNUCCE DI PLASTICA”



Fig.1

Nelle classi seconde si è trattato l'argomento “Plastica” con le sue proprietà e lavorazioni (fig.1 e 2). Unitamente all'argomento, si sono introdotte le strutture costruttive (fig. 3 e 4). Si è così pensato di farle realizzare ai ragazzi divisi in gruppo, in un laboratorio finalizzato alla comprensione della forma peculiare di molte strutture architettoniche, usando un materiale semplice e accessibile a tutti, come la plastica delle cannucce.



Fig.2

Si sono proposte le seguenti strutture da costruire, a partire dalla forma triangolare (fig.5):

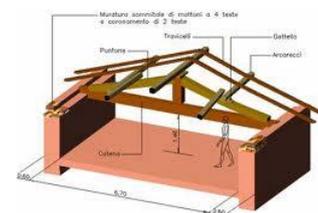


Fig.3

- la capriata (fig.6)
- la struttura per ponte (fig.7)
- la struttura edilizia (fig.8)
- la cupola geodetica (fig.9)
- la struttura a traliccio (fig.10)



Fig.4

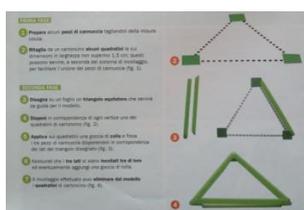


Fig.5

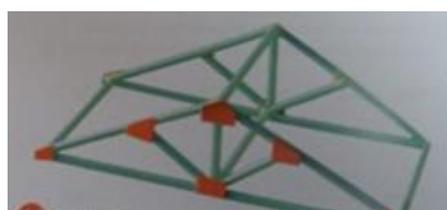


Fig.6

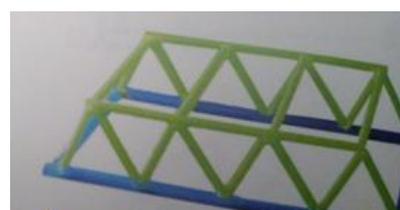


Fig.7

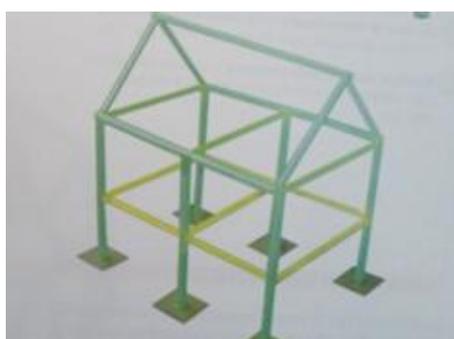


Fig.8

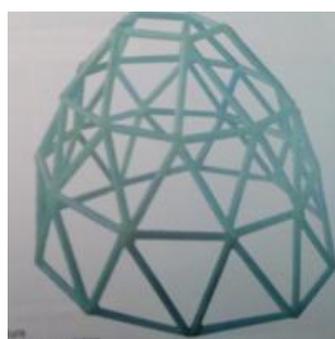
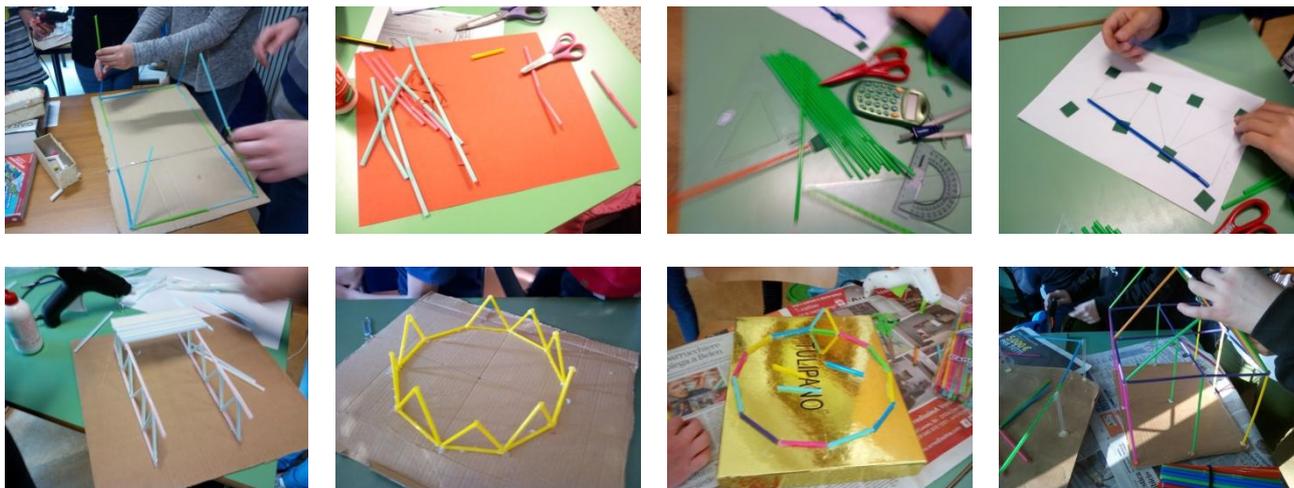


Fig.9

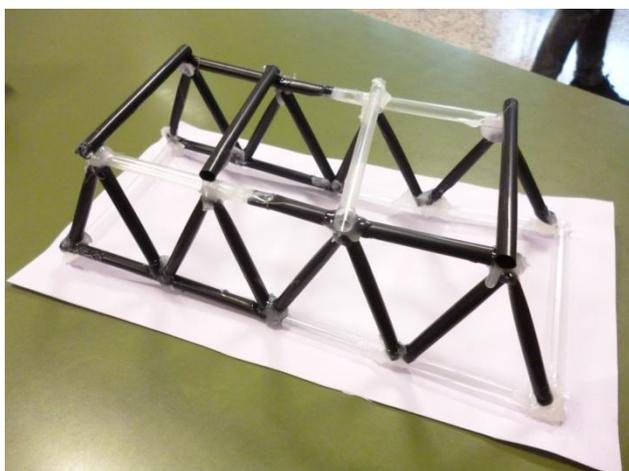


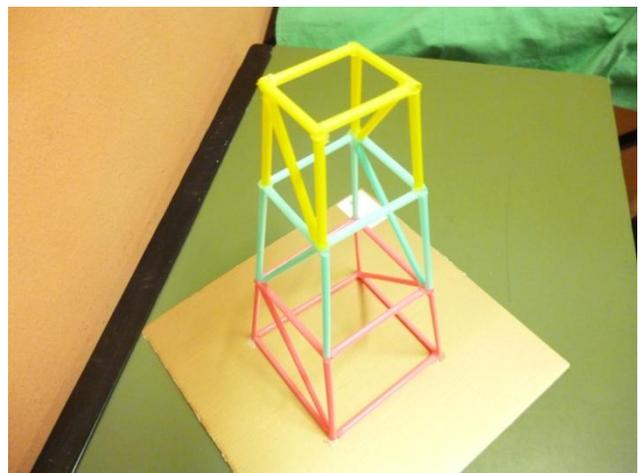
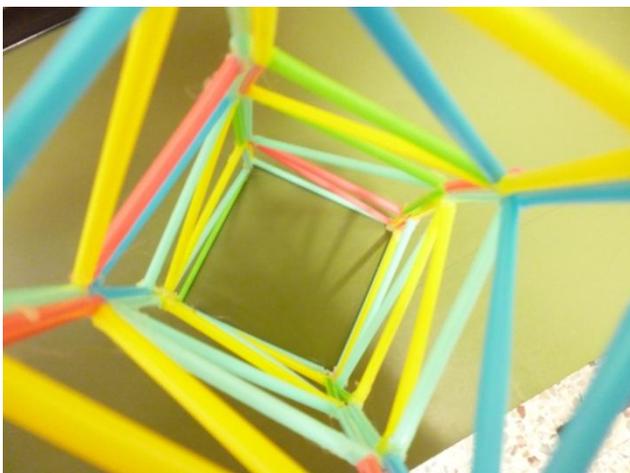
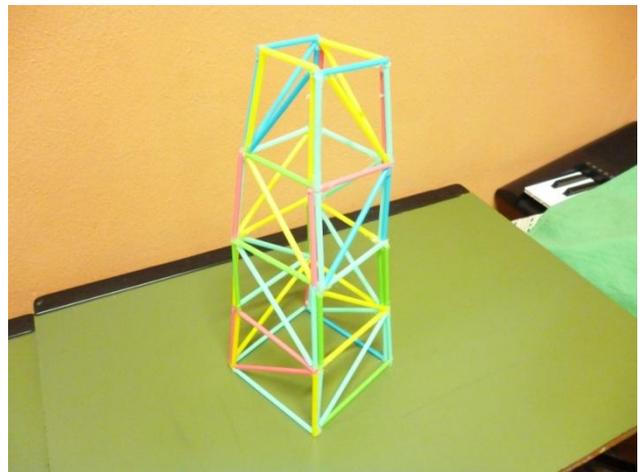
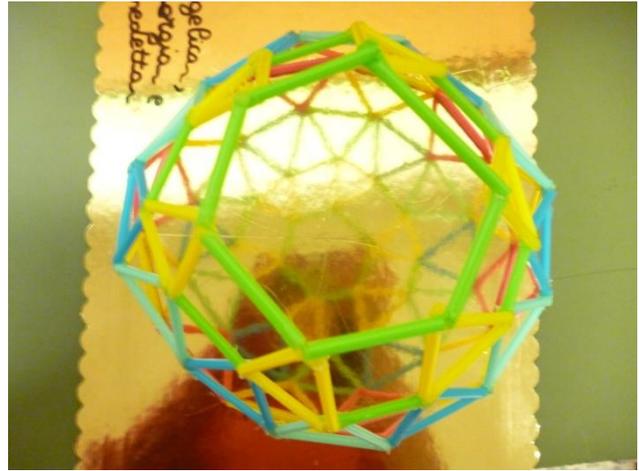
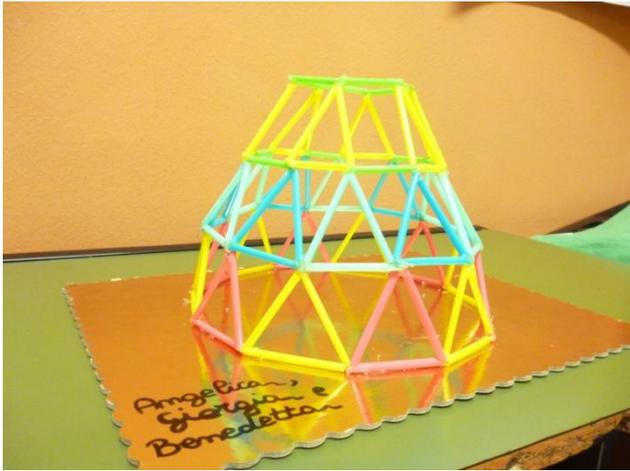
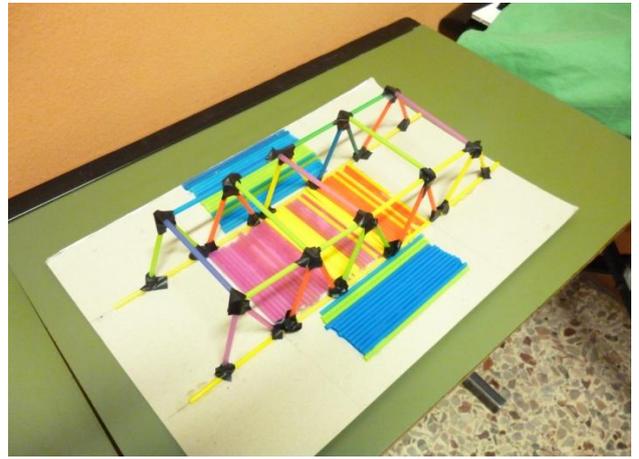
Fig.10

Si riportano di seguito alcune foto del laboratorio svolto in classe e i prodotti ottenuti:

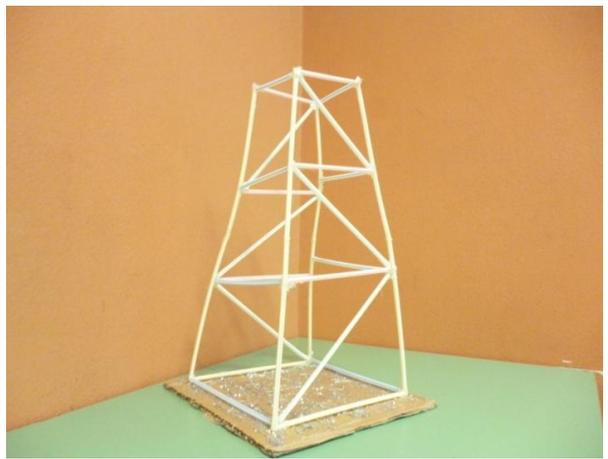
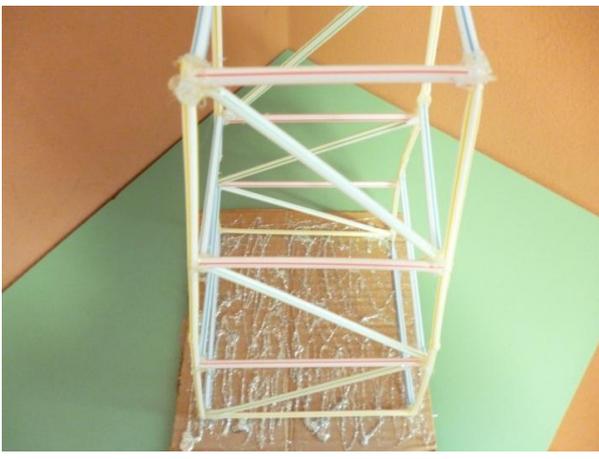
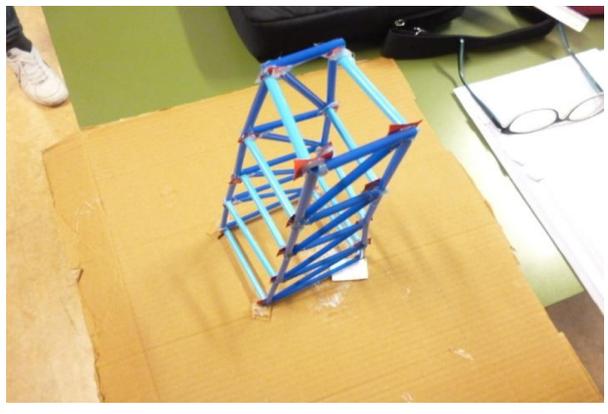
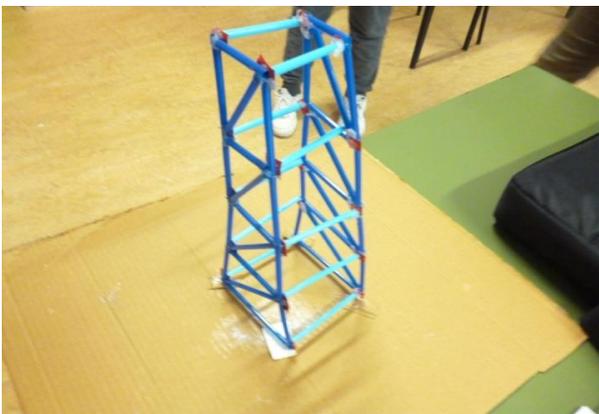
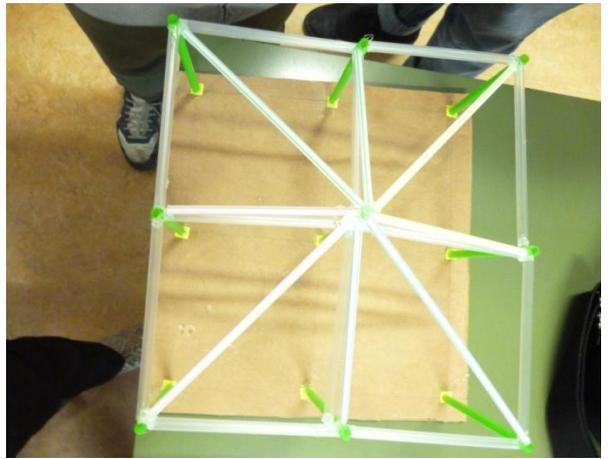
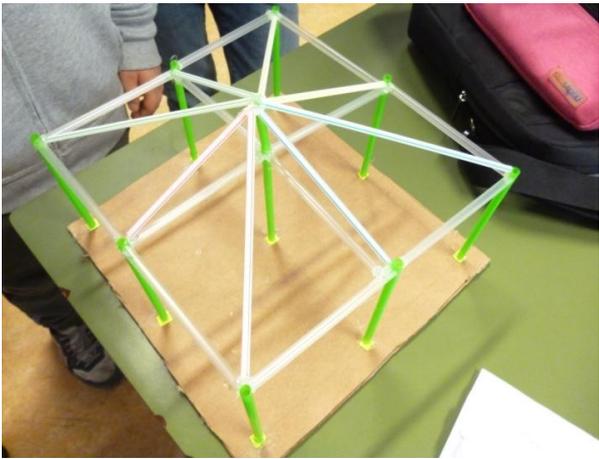
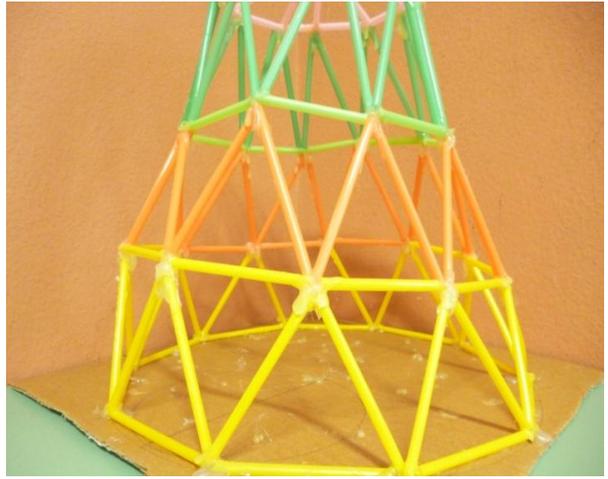


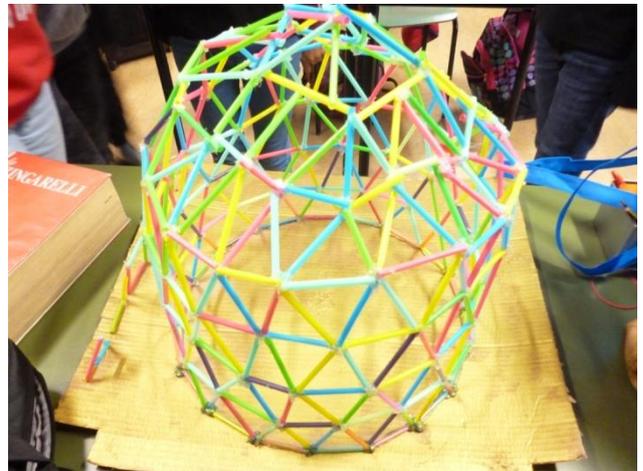
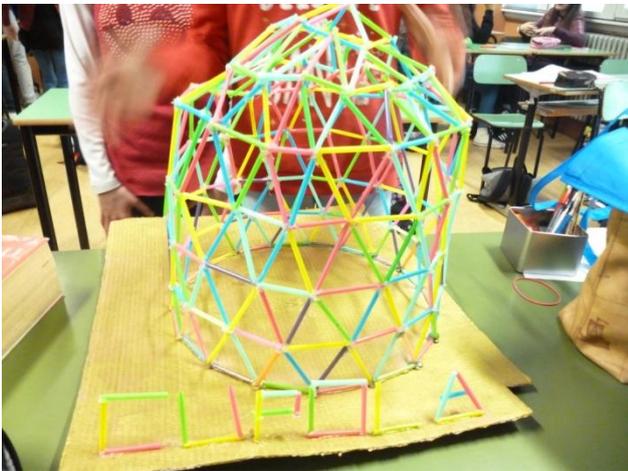
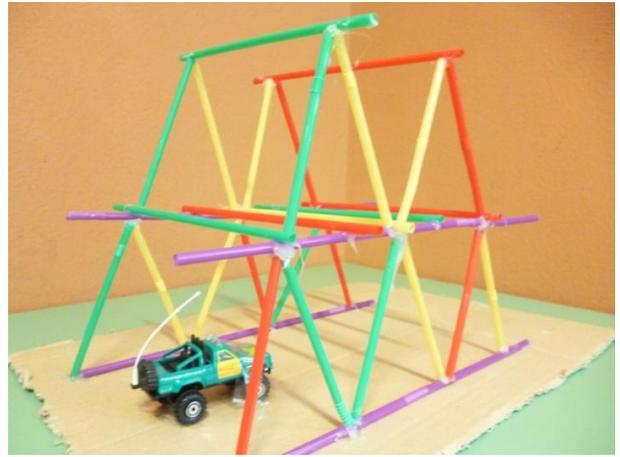
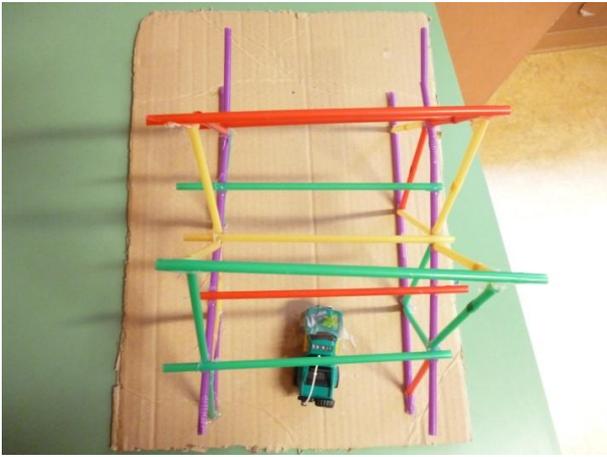
I modelli della classe 2A :





I modelli della classe 2B :





I modelli della classe 2C :

