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MIQDOR VA HAJM TUSHUNCHALARINI SHAKLLANTIRISH

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Annotatsiya: Ushbu maqolada maktabgacha yoshdagi bolalar uchun miqdor va hajm tushunchalarini shakllantirishning metodikasi yoritiladi. Bolalarning matematik tafakkurini rivojlantirishda miqdor va hajm tushunchalarini o'rgatish muhim ahamiyat kasb etadi. Maqolada ushbu tushunchalarni shakllantirish uchun qo'llaniladigan didaktik metodlar, o'yin usullari va innovatsion yondashuvlar haqida fikr yuritiladi.

Kalit so'zlar: Miqdor, hajm, maktabgacha ta'lim, matematik tafakkur, didaktik metodlar, o'yin texnologiyalari.

Kirish

Maktabgacha yoshdagi bolalar uchun miqdor va hajm tushunchalarini o'rganish muhim jarayondir. Ular kundalik hayotda buyumlarning kattaligi, sig'imi, uzunligi yoki soni bo'yicha farq qilishini kuzatish orqali ushbu tushunchalarni o'zlashtira boshlaydilar. To'g'ri o'qitish metodlari orqali bolalarning matematik tafakkuri, mantiqiy fikrlashi va analiz qilish ko'nikmalari rivojlantirilishi mumkin.

Asosiy qism

1. Miqdor va hajm tushunchalarini shakllantirishning ahamiyati

Miqdor va hajm tushunchalarini o'rganish bolalarning quyidagi ko'nikmalarini rivojlantiradi:

- Buyumlarning kattaligi, uzunligi va hajmini solishtirish qobiliyatini shakllantirish.
- Sanash va miqdor bo'yicha taqqoslashni o'rganish.
- Fazoviy tafakkur va tasniflash ko'nikmalarini rivojlantirish.
- Kundalik hayotdagi predmetlarning hajmini anglash va amaliyotda qo'llash.

2. Didaktik yondashuvlar

Miqdor va hajm tushunchalarini shakllantirishda quyidagi didaktik yondashuvlar samarali hisoblanadi:

- **Ko'rgazmalilik tamoyili** – bolalar uchun buyumlarning real modellaridan foydalanish.
- **Amaliy faoliyatga asoslangan o'qitish** – bolalarga buyumlarni taqqoslash, saralash va o'lchash imkoniyatini berish.
- **O'yinga asoslangan o'qitish** – bolalarga o'yin orqali miqdor va hajm tushunchalarini tushuntirish.

3. O'yin texnologiyalaridan foydalanish

Bolalarning qiziqishini oshirish uchun quyidagi o'yin texnologiyalaridan foydalanish tavsiya etiladi:

- **"Qaysi biri katta?"** – turli buyumlarni taqqoslash va hajmini aniqlash.
- **"Ko'proq yoki kamroq"** – miqdor va sanash bo'yicha o'yin mashg'ulotlari.



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• **“Kubiklar bilan quramiz”** – hajm tushunchasini shakllantirish uchun konstruktor o‘yinlaridan foydalanish.

4. Raqamli texnologiyalar va interaktiv metodlar

Zamonaviy ta’lim jarayonida interaktiv vositalardan foydalanish miqdor va hajm tushunchalarini o‘rgatishda samarali hisoblanadi:

• **Matematik mobil ilovalar** – bolalar uchun maxsus ishlab chiqilgan interaktiv o‘yinlar.

• **Multimedia materiallar** – videolar va audiolavhalar orqali tushunchalarni boyitish.

• **Interaktiv doskalar** – buyumlarning hajmini chizish va taqqoslash imkoniyatini berish.

5. Ota-onalar va pedagoglarning roli

Bolalarning miqdor va hajm tushunchalarini shakllantirishida ota-onalar va pedagoglarning roli juda muhim. Quyidagi usullar tavsiya etiladi:

• **Bolalar bilan kundalik hayotda taqqoslash mashg‘ulotlarini o‘tkazish** (masalan, ikki idishning sig‘imini solishtirish).

• **Maxsus o‘yin va kitoblardan foydalanish** – pedagogik resurslardan foydalanish.

• **Bolalarni rag‘batlantirish** – to‘g‘ri javob bergan bolalarni maqtash va motivatsiya berish.

Xulosa

Miqdor va hajm tushunchalarini shakllantirish maktabgacha yoshdagi bolalarning matematik tafakkurini rivojlantirishda muhim ahamiyat kasb etadi. Ushbu jarayonda ko‘rgazmali materiallar, amaliy mashg‘ulotlar va o‘yin texnologiyalaridan foydalanish samarali hisoblanadi. Pedagoglar va ota-onalar tomonidan to‘g‘ri yondashuv orqali bolalarning sanash, taqqoslash va hajmni anglash ko‘nikmalarini rivojlantirish mumkin.

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